



Bourdon temperature and pressure measurement technology.

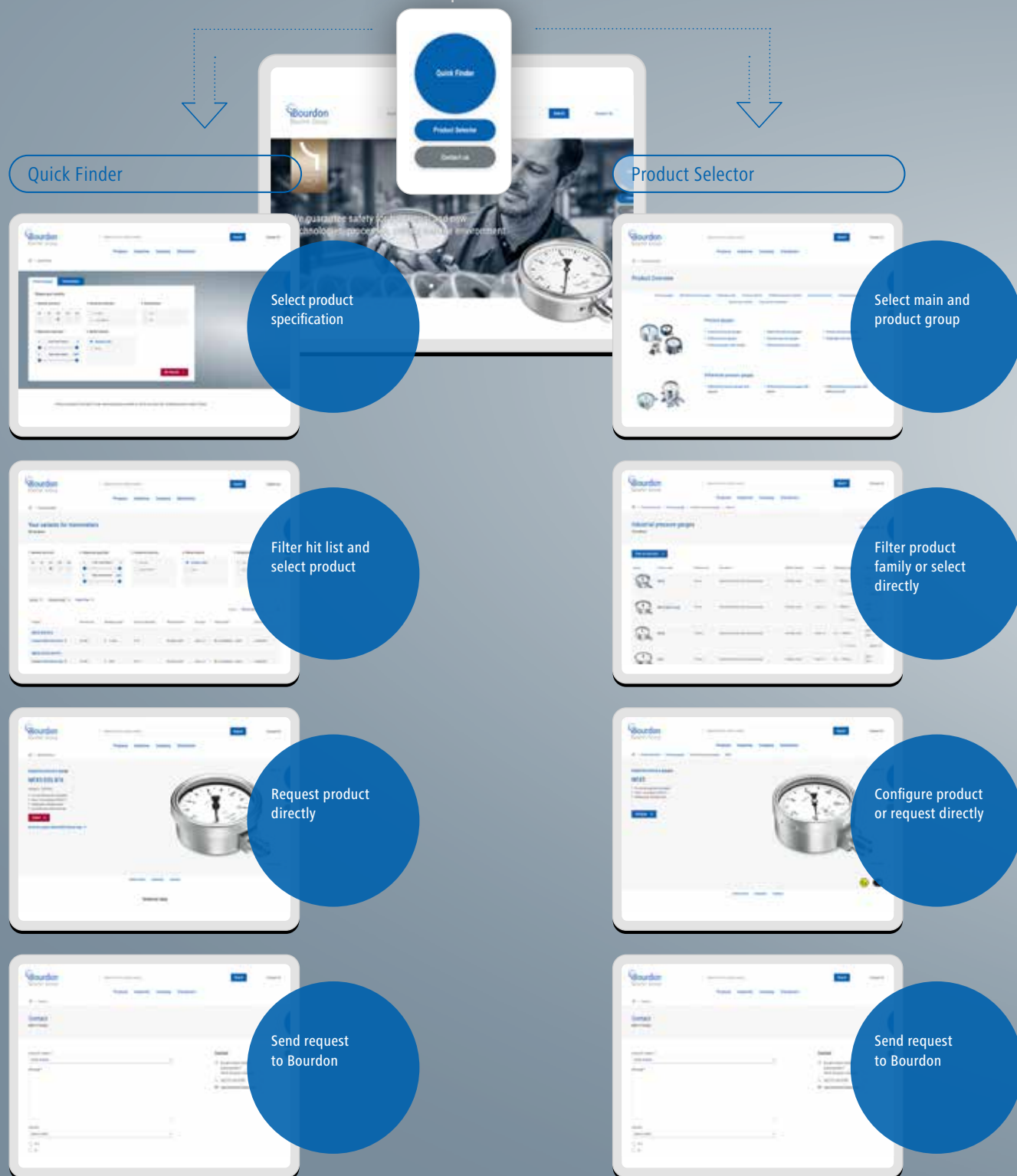
Variants and stock catalog



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Expertise and passion.

Today Bourdon® is one of the world leading brands for mechanical process instrumentation and belongs with its international business locations to the Baumer Group*. It was created in 2005 by the acquisition of the service portfolios and competences of the formerly well-known brands Bourdon-Sedeme and Haenni. Historically, this competence and passion is based on the Bourdon tube invented in 1843 by Eugène Bourdon, which is the central component for precise mechanical pressure measurement technology, today and in the future.

The company founded by Eugene Bourdon, today Baumer Bourdon-Haenni S.A.S. in Vendôme as well as Bourdon-Haenni GmbH with its location in Stockach in southern Germany, are centers of competence for Bourdon process instrumentation.

The comprehensive product portfolio is manufactured with high vertical integration and state-of-the-art process methods in the company own production sites in France, Germany and India. In addition to the standard products such as thermometers, pressure gauges, pressure and temperature switches and diaphragm seals, this portfolio also comprises a large number of customer-specific solutions, which are mainly used in the sectors of oil and gas, energy / power plants, water supply, chemistry as well as heating, ventilation and air conditioning.

A worldwide distribution network with specialized Bourdon distributors and Baumer's own subsidiaries provides fast and reliable customer service with high product availability thanks to local presence.

* The Baumer Group is leading at international level in the development and production of sensors, shaft encoders, measuring instruments as well as components for automatic image processing. As an owner-managed family business, we employ about 2800 workers worldwide in 39 subsidiaries and 19 countries. With marked customer orientation, consistently high quality and vast innovation capability, Baumer develops specific solutions for many industries and applications worldwide.



High-Tech Center Bodensee with distribution center
and head office of Bourdon-Haenni GmbH

Overview of pressure gauges.

MAT, MPT



MIT, MTR



MEX



MEX



Safety pressure gauges MEP, MFP



Safety pressure gauges IoT WEP



Capsule pressure gauges MTA, MTX, MCX



Pressure gauges with diaphragm seal D0, DT



Pressure gauges with diaphragm seal DANC



Accessories for pressure gauges



Accessories for pressure gauges



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Overview of thermometers.

Bimetalthermometers TBH100



Bimetalthermometers TB100



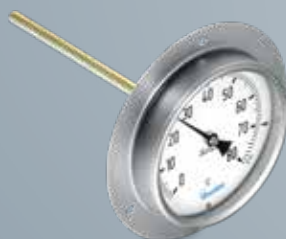
Bimetalthermometers TBH100 for cooling applications



Bimetalthermometers TBHA100



Bimetalthermometers TBL100



Bimetalthermometers TB100 stainless steel



Bimetalthermometers TBI100, axial



Bimetalthermometers TBI100, radial



Bimetalthermometers TBI100, every angle



Gas filled thermometers TSS



Gas filled thermometers TSF



Accessories for thermometers



Variants and stock availability.

The catalog provides you a concise overview on common requested variants as well as on stock availability of products ready for same-day shipments* upon request.

We offer you this product selection to meet your expectations concerning:

- a clear overview of products and product ranges,
- state-of-the-art product and service quality,
- a favorable price-performance ratio as well as
- a business partner with reliable delivery capability.

+ 1000

variants of pressure gauges, thermometers and accessories available immediately from stock.

Immediate delivery availability

of stock products from our new distribution center. On request, all orders received before 12 noon* can benefit from same-day shipment services.

+ 500

variants produced and delivered in less than one week.

Customer proximity

and technical on-site advice is guaranteed by our distribution partners and our field and office staff. They offer support in the choice of the best possible solution for your specific applications.

+ 4000

variants of common products to be ordered separately.

Quality

Thanks to our many years of experience, we can guarantee high quality standards in the whole field of temperature and pressure measurement technology, as well as the associated service.

+ Customer-specific variants

from millions of combinations available on request.

Same-day shipments

Bourdon-Haenni GmbH is able to deliver the stock product range on request with same-day shipment services for Europe for incoming orders placed before 12 noon. Our distribution partners can also guarantee this service for selected products and variants. Please do not hesitate to get in touch with us.



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Find the product you are looking for quickly and easily in the easy-to-understand table of contents. Select the product on the page in question according to your specification requirements.

Use only the material number for standard products or, if you wish to configure products with options and certificates, use the appropriate ordering code.

For products with no options you are free to place orders by means of the material number and/or the ordering code. If you specify both, it is the material number that is binding for us.

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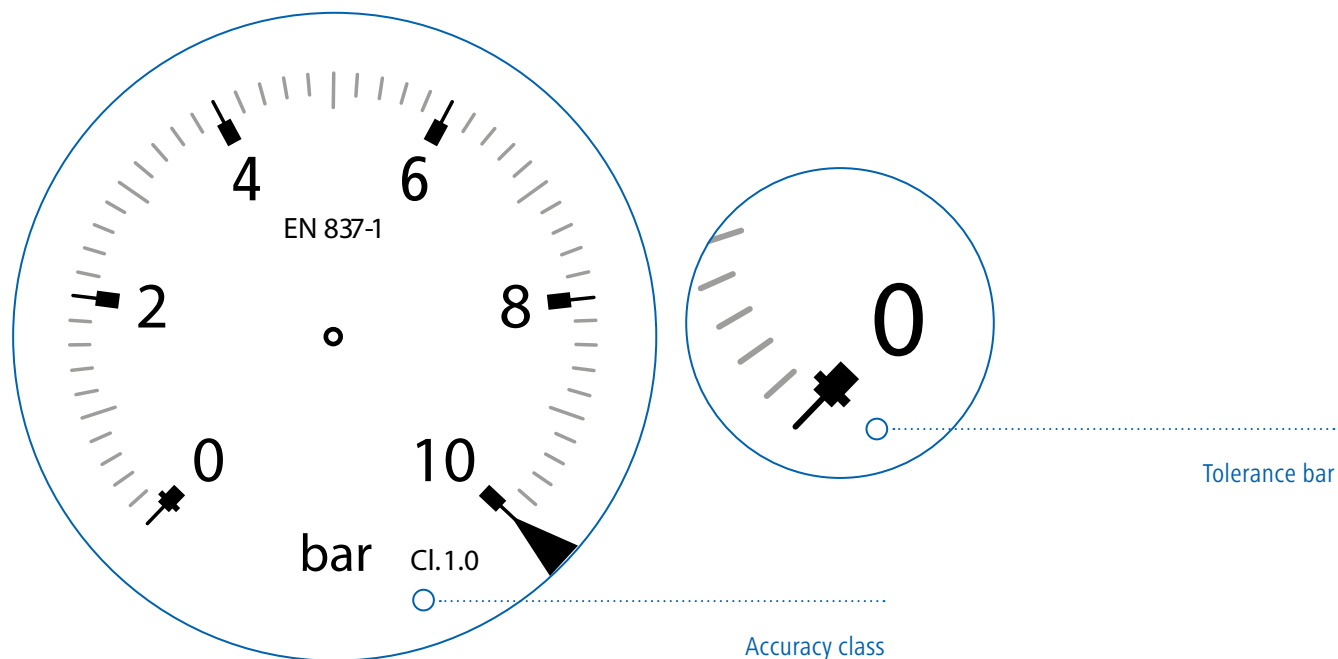
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Accuracy specifications for pressure.

The accuracy of pressure gauges is determined by the specification of the class in accordance with EN 837-1. The class specifies the maximum permissible measurement error as a percentage of the measuring span. The measuring span is the difference between the value at the end of the scale and the value at the start of the scale.

For devices based on EN 837, the accuracy class is specified on the dial. The width of the tolerance bar at the zero point setting on the dial corresponds to the margin of error, i.e. in a pressure-free condition the pointer must be within the tolerance bar.



Examples:

Bourdon tube pressure gauge, Class 1
Measuring range -1 ... 5 bar
Measuring span: 6 bar
Permitted error: ± 60 mbar ($\pm 1\%$ of 6 bar)

Capsule pressure gauge, Class 1.6
Measuring range 0 ... 250 mbar
Measuring span: 250 mbar
Permitted error: ± 4 mbar ($\pm 1,6\%$ of 250 mbar)

Installation example for pressure gauges.

01. Pressure gauge

02. Gasket

03. Shut-off cock or valve

04. Spacer

05. Mounting support

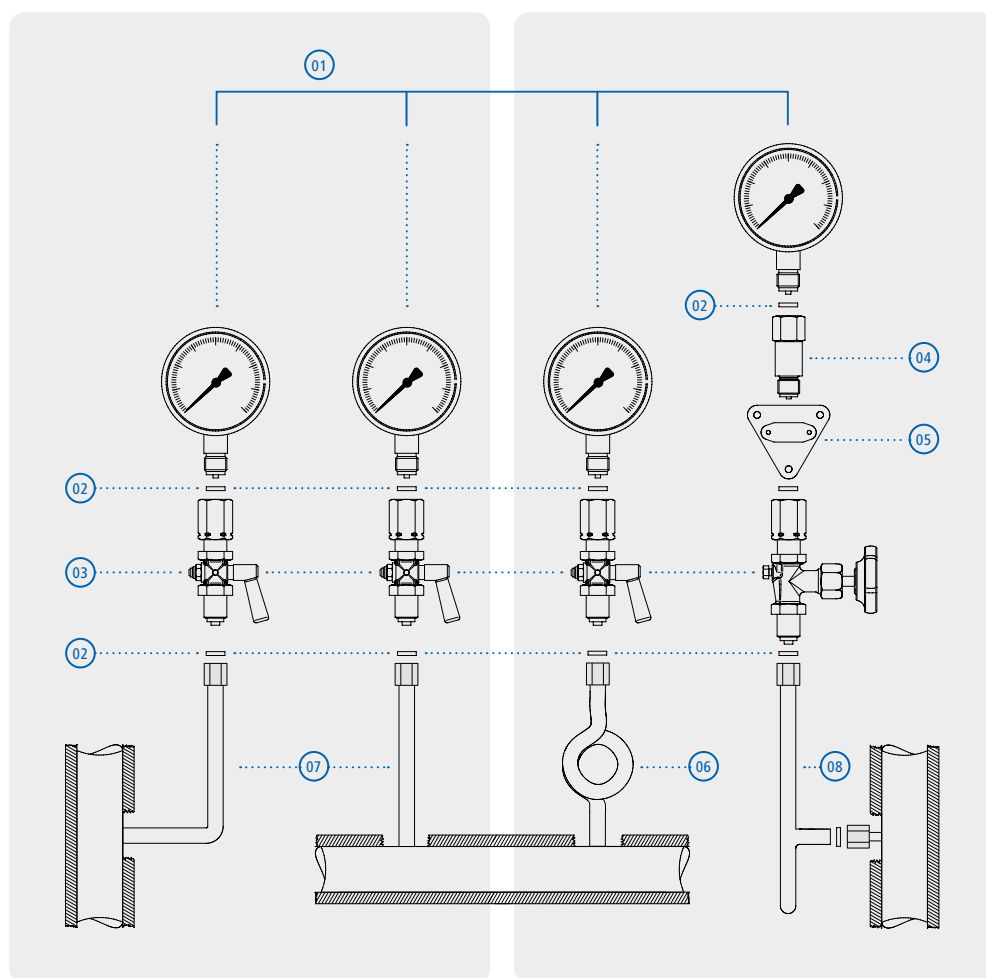
06. Siphon, coil type

07. Tube adapter

08. Siphon, U-shape

Water, hot water, media < 100 °C

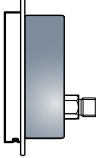
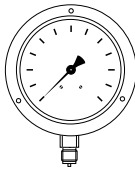
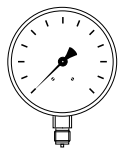
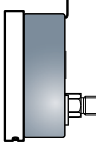
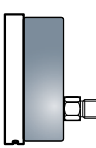
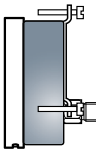
Steam, hot water, media > 100 °C



Recommendation:

With pulsating media (e.g. in the vicinity of pumps) the use of measuring devices with damping fluid and pressure shock absorbers is advantageous.

Housing forms for pressure gauges.

	Housing Material 1.4404	Housing Material 1.4301		
Connection radial, bottom, 3 tabs for wall mounting	1	A		
Rear connection, front ring for panel mounting, with 3 mounting holes in the ring	2	B		
Connection radial, bottom, front ring for panel mount- ing, with 3 mounting holes in the ring	3	C		
Connection radial bottom	4	D		
Rear connection, 3 tabs for wall mounting	5	E		
Rear connection	6	F		
Rear connection, front ring and mounting bracket for panel mounting	7	G		

Structure of the order code for pressure gauges

MEX5	-	D	3	0	.	B	22	/	0751
Family	Housing shape	Connection	Filling			Pressure unit	Measuring range		Option

Bourdon pressure gauge – useful knowledge.

EN 837-1/3

European standard for pressure gauges, defines the metrological properties of a pressure gauge based on the respective measuring element (Bourdon tube, capsule element or diaphragm).

Damping fluid

In case of strong vibrations, the pressure gauge is filled with damping liquid for the mechanical protection of the pointer movement. The different fluids vary in temperature range and viscosity. In very low pressure ranges, no highly viscous fluids are used, since they can influence the measured value.

Throttle screw

Threaded insert with a small hole for installation in the medium channel of the process connection to reduce pressure surges on the measuring element (Bourdon tube).

Temperature error

0,4% of the final value of the measuring range per 10 K (reference temperature is 20 °C).

Window

The following windows are available:

- Instrument glass (standard with most devices),
- Polycarbonate (Option 0753),
- Multi-layer safety glass (Option 0751)

Multi-layer safety glass is used as standard for ATEX-certified devices.

Certificate

In accordance with the EN 10204 standard, Bourdon offers three types:

- Certificate 2.1: Factory certificate which certifies the conformance of the delivery with the order.

- Certificate 2.2: Factory certificate which certifies the conformance of the critical product properties with the properties warranted in the data sheet.
- Certificate 3.1: This refers to specific tests which are performed on the devices and which are identified with reference to the serial number. These may be calibration certificates or material certificates.

Blow-out opening at the top of the housing circumference (at 12 o'clock, blow-out disc)

All gauges by Bourdon have a blow-out device, which is located on the housing circumference and which at the same time serves as a filler for the damping fluid. All pressure gauges thus fulfill the minimum requirement S1 (see safety pressure gauges).

Unbreakable partition including blow-out rear wall (solid front)

Pressure gauges with an unbreakable partition protect a person from the pressure gauge if the Bourdon tube should burst in the event of unauthorized overpressure. The resulting explosive pressure increase is released by the blow-out rear wall in the direction facing away from the person.

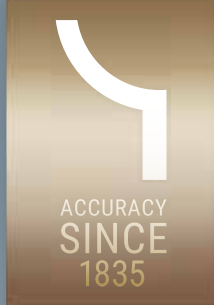
Safety pressure gauge

With respect to design, three different safety classes are defined in accordance with EN 837-1:

- S1 – Pressure gauge with blow-out device
- S2 – Safety pressure gauge without unbreakable partition but with additional, rear blow-out opening
- S3 – Safety pressure gauge with unbreakable partition and rear blow-out cover. In the event of harmful overpressure in the pressure gauge, this releases most of the rear wall.

Damping fluids for pressure gauges

Type	Code
Dry, without filling	0
Glycerin/water 86%, low viscosity (media temperature –20 ... +70 °C)	1
Glycerin 99.5%, high viscosity (media temperature 0 ... +90 °C)	2
Silicone oil (media temperature –40 ... +100 °C)	3



The original from the inventor of the Bourdon[®] tube.

Housing: Stainless steel or monel, with or without blowout rear wall

Window: Instrument glass, polycarbonate or safety glass

Bourdon tube: Stainless steel or monel (optionally seamless)

Process connections: (several options: G½, ½ NPT, M20×1,5, ...)

Throttle screw to reduce pressure spikes

Vent plug with damping fluid (e.g. glycerin, silicone etc., depending on the application).
Optional: dry, without filling

Pointer movement: Stainless steel, optionally with silicone damping available for applications with vibrations or pressure surges

Standard: EN837-1 or ASME B40.1

Dial: customer-specific

Customer logo: black or colored

Bourdon-Haenni GmbH today offers you a wide range of original Bourdon products based on more than 170 years of technical development and experience.

MMD3

Industrial pressure gauge stainless steel / brass - nominal size 63



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	Crimped housing
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Laminated safety glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 63 mm			
Process connection		G 1/4			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MMD3-D20.B**	MMD3-F20.B**	MMD3-D22.B**	MMD3-F22.B**
Price in EUR					
Pressure range	-1 ...0 Bar	11168895	11167275	11168418	11197090
	-1 ...0.6 Bar	11197061	11197065	11197076	11197091
	-1 ...1.5 Bar	11171690	11197066	11197077	11197092
	-1 ...3 Bar	11197062	11197067	11168425	11195068
	-1 ...5 Bar	11170565	11197068	11173539	11197093
	-1 ...9 Bar	11179055	11197069	11167897	11166190
	-1 ...15 Bar	11170566	11197070	11197078	11197094
	0 ...0.6 Bar	11179924	11197071	11197079	11197095
	0 ...1 Bar	11165165	11197072	11180532	11197096
	0 ...1.6 Bar	11159220	11159237	11159228	11159249
	0 ...2.5 Bar	11159221	11159238	11159229	11159251
	0 ...4 Bar	11159222	11159239	11159230	11159253
	Price in EUR				
	0 ...6 Bar	11159223	11159240	11159232	11159254
	0 ...10 Bar	11159224	11159241	11159233	11159255
	0 ...16 Bar	11159225	11159242	11159234	11159256
	0 ...25 Bar	11159226	11159243	11159235	11159257
	0 ...40 Bar	11159227	11159244	11159236	11159258
	0 ...60 Bar	11167629	11193176	11167860	11179408
	Price in EUR				
	0 ...100 Bar	11167273	11197073	11165354	11184220
	0 ...160 Bar	11167276	11188302	11169985	11173520
	0 ...250 Bar	11167277	11197074	11167783	11175341
	0 ...400 Bar	11197063	11188303	11164876	11179900
	0 ...600 Bar	11197064	11197075	11182222	11178446
Material number ►		▲	▲	▲	▲

Process connection	G 1/2 (with connection piece)	MMD3-3*.B**
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Certificates (Net-Prices)			
2.1 certificate			Q001
2.2 certificate			Q002
3.1 calibration certificate - 5 points increasing, 1 point decreasing			Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing			Q009

Example ordering code	MMD3-D20.B20	◀
	MMD3 nominal size 63, connection bottom G 1/4, dry, 0...6 bar	

Availability	stock item	upon manufacturing	- not available
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MMD5

Industrial pressure gauge stainless steel / brass - nominal size 100



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP54 / IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	DIN case, bayonet
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 100 mm			
Process connection		G 1/2			
Connection		bottom		bottom	
Damping liquid		unfilled		Glycerine	
Ordering code ►		MMD5-D30.B**		MMD5-D31.B**	**▼
Price in EUR					
Pressure range	-1 ... 0 Bar	10292058	-	10292114	59
	-1 ... 0.6 Bar	10292060	-	11196779	72
	-1 ... 1.5 Bar	10292061	-	11196790	74
	-1 ... 3 Bar	10292063	-	10292117	76
	-1 ... 5 Bar	10292066	-	10292118	77
	-1 ... 9 Bar	10292067	-	10292119	79
	-1 ... 15 Bar	10292068	-	11196791	81
	0 ... 0.6 Bar	10292003	-	11196778	12
	0 ... 1 Bar	10292005	-	10292099	15
	0 ... 1.6 Bar	10292009	-	10292100	16
	0 ... 2.5 Bar	10292012	-	10292101	18
	0 ... 4 Bar	10292016	-	10292102	19
	Price in EUR				
	0 ... 6 Bar	10292019	-	10292104	20
	0 ... 10 Bar	10292028	-	10292105	22
	0 ... 16 Bar	10292041	-	10292107	24
	0 ... 25 Bar	10292048	-	10292109	26
	0 ... 40 Bar	10292051	-	10292111	27
	0 ... 60 Bar	10292054	-	10292113	29
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)

Bottom, 3 lugs for wall-mount	MMD5-A**,B**
Bottom, front ring for panel-mount, 3 mounting holes	MMD5-C**,B**

Process connection

G 1/4	MMD5-*2*.B**
1/2 NPT	MMD5-*6*.B**

Options (additional costs)

Laminated safety glass	/	0751
Silicone-free with mark on dial		0794
Adjustable index pointer on dial (only without glycerin filling)		0051
Adjustable index pointer in the window		0053
Indexpointer, adjustable by magnet		0054

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code MMD5-D30.B20/0053

MMD5 nominal size 100, connection bottom G 1/2, dry, 0...6 bar
Adjustable index pointer in the window

Availability	stock item	upon manufacturing	- not available
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MEX2

Industrial pressure gauge stainless steel - nominal size 50



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	Crimped housing
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size Process connection Connection		Ø 50 mm G 1/4			
		bottom	rear	bottom	rear
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEX2-D20.B**	MEX2-F20.B**	MEX2-D21.B**	MEX2-F21.B**
	Price in EUR				
Pressure range	-1 ...0 Bar	10275234	10275610	10275310	10275652
	-1 ...0.6 Bar	10275235	10275611	11181414	10275653
	-1 ...1.5 Bar	10275238	10275612	11100911	10275654
	Price in EUR				
	-1 ...3 Bar	10275239	11039009	10275311	10275655
	-1 ...5 Bar	10275240	10275613	10275312	10275656
	-1 ...9 Bar	10275242	10275616	10275313	11195748
	-1 ...15 Bar	10275243	11018114	10275314	10275657
	-1 ...24 Bar	10275245	10275617	11130734	11195749
	Price in EUR				
	0 ...1 Bar	10275196	10275572	10275283	10275633
	0 ...1.6 Bar	10275198	10275574	10275284	10275634
	0 ...2.5 Bar	10275199	10275577	10275286	10275635
	Price in EUR				
	0 ...4 Bar	11012434	11012492	10275288	10275636
	0 ...6 Bar	11012436	11012494	10275289	10275637
	Price in EUR				
	0 ...10 Bar	11012448	11012497	10275294	10275640
	0 ...16 Bar	11012450	11012498	10275297	10275644
	0 ...25 Bar	10275214	10275593	10275299	11088839
	0 ...40 Bar	11012460	11012499	10275301	10275646
	Price in EUR				
	0 ...60 Bar	11012490	11012501	10275303	10275647
	0 ...100 Bar	10275224	10275602	10275305	11090478
	0 ...160 Bar	10275225	11053143	10275306	10275649
	0 ...250 Bar	10275226	10275605	10275307	10275650
	0 ...400 Bar	10275232	10275608	10275308	10275651
	0 ...600 Bar	10275233	10275609	11080604	11195746
	Price in EUR				
	0 ...1000 Bar	11195744	11195745	10275309	11195747
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)

Bottom, 3 lugs for wall-mount	MEX2-A**..B**
Rear, front ring for panel-mount, 3 mounting holes	MEX2-B**..B**
Rear, front ring and mounting bracket for panel-mount	MEX2-G**..B**

Process connection

1/4 NPT	MEX2-5**..B**
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Options (additional costs)

Laminated safety glass	/
Window polycarbonate	0753
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	0078

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code MEX2-D21.B20/0751_Q001

MEX2 nominal size 50, connection bottom G 1/4, Glycerin, 0...6 bar
Laminated safety glass, 2.1 certificate

Availability	stock item	upon manufacturing	- not available
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MEX3

Industrial pressure gauge stainless steel - nominal size 63 with crimped bezel ring case



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	Crimped housing
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Polycarbonate
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 63 mm			
Process connection		G 1/4			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEX3-D20.B**/0133	MEX3-F20.B**/0133	MEX3-D21.B**/0133	MEX3-F21.B**/0133
Price in EUR					** ▼
Pressure range	-1 ... 0 Bar	11170238	11172657	11172561	11172678
	-1 ... 0.6 Bar	11172530	11172658	11172562	11172679
	-1 ... 1.5 Bar	11172532	11172659	11172564	11172680
Price in EUR					
	-1 ... 3 Bar	11172534	11172660	11172569	11172681
	-1 ... 5 Bar	11172535	11172661	11172570	11172683
	-1 ... 9 Bar	11172537	11172662	11172572	11172684
	-1 ... 15 Bar	11172538	11172663	11172573	11172685
	-1 ... 24 Bar	11172540	11172664	11172575	11172686
Price in EUR					
	0 ... 1 Bar	11170134	11172628	11172546	11172584
	0 ... 1.6 Bar	11170178	11172629	11172548	11172585
	0 ... 2.5 Bar	11170216	11172640	11172550	11172586
Price in EUR					
	0 ... 4 Bar	11170217	11172642	11172551	11172587
	0 ... 6 Bar	11170219	11172643	11172553	11172588
Price in EUR					
	0 ... 10 Bar	11170220	11170231	11170322	11172589
	0 ... 16 Bar	11170221	11172645	11172555	11172670
	0 ... 25 Bar	11170223	11170233	11170324	11172671
	0 ... 40 Bar	11170129	11172646	11172557	11172672
Price in EUR					
	0 ... 60 Bar	11170224	11172647	11172559	11172673
	0 ... 100 Bar	11170225	11172649	11170325	11172674
	0 ... 160 Bar	11170227	11172650	11170326	11172675
	0 ... 250 Bar	11170228	11172654	11170327	11172676
	0 ... 400 Bar	11170236	11172655	11170328	11172677
	0 ... 600 Bar	11170237	11196263	11170329	11196264
Material number ►		▲	▲	▲	▲

Important notice

The crimped version requests always the specific ordering code

0133

Mounting type connection (surcharge to mounting typ D)

Rear, with mounting bracket for panel-mount

MEX3-G**.B**/0133

Process connection

1/4 NPT

MEX3-5*.B**/0133

Certificates (Net-Prices)

2.1 certificate		/
2.2 certificate		Q001
3.1 material certificate		Q002
3.1 calibration certificate - 5 points increasing, 1 point decreasing		Q003
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing		Q008
		Q009

Example ordering code

MEX3-D50.B22/0133_Q008

MEX3 nominal size 63, crimped ring case, connection bottom 1/4 NPT, dry, 0...10 bar

3.1 calibration certificate - 5 points increasing, 1 point decreasing

Availability

stock item

within 5 days

upon manufacturing

- not available

MEX3

Industrial pressure gauge stainless steel - nominal size 63 with bayonet bezel ring case



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	Bayonet lock
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size Process connection Connection		Ø 63 mm G 1/4			
		bottom	rear	bottom	rear
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEX3-D20.B**	MEX3-F20.B**	MEX3-D21.B**	MEX3-F21.B**
	Price in EUR				
Pressure range	-1 ... 0 Bar	11011629	11011687	10277252	10278229
	-1 ... 0.6 Bar	10276930	10278089	10277257	10278230
	-1 ... 1.5 Bar	10276932	10278091	10277259	10278231
	Price in EUR				
	-1 ... 3 Bar	10276938	10278095	10277261	10278232
	-1 ... 5 Bar	10276948	10278098	10277264	10278234
	-1 ... 9 Bar	10276957	10278102	10277270	10278236
	-1 ... 15 Bar	10276965	10278104	10277274	10278238
	-1 ... 24 Bar	10276968	10278107	10277275	10278239
	Price in EUR				
	0 ... 1 Bar	11011568	11011649	10277120	10278162
	0 ... 1.6 Bar	10276754	10278013	10277123	10278165
	0 ... 2.5 Bar	10276772	11011666	10277126	10278167
	Price in EUR				
	0 ... 4 Bar	11011595	11011669	10277133	10278171
	0 ... 6 Bar	11011597	11011672	10277143	10278176
	Price in EUR				
	0 ... 10 Bar	11011598	11011673	10277159	10278181
	0 ... 16 Bar	11011599	11011675	10277176	10278191
	0 ... 25 Bar	11011620	11011677	10277194	10278197
	0 ... 40 Bar	11011621	11011678	10277205	10278206
	Price in EUR				
	0 ... 60 Bar	11011622	11011680	10277211	10278208
	0 ... 100 Bar	10276882	10278072	10277218	10278210
	0 ... 160 Bar	10276887	10278075	10277224	10278215
	0 ... 250 Bar	10276894	10278077	10277229	10278217
	0 ... 400 Bar	10276907	10278082	10277241	10278221
	0 ... 600 Bar	10276913	10278085	10277248	10278225
	Price in EUR				
	0 ... 1000 Bar	10276918	11164440	10277250	10278227
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting type D)	
Bottom, rear flange for wall-mount	MEX3-A** .B**
Rear, front ring for panel-mount, 3 mounting holes	MEX3-B** .B**
Rear, front ring and mounting bracket for panel-mount	MEX3-G** .B**

Process connection	1/4 NPT	MEX3-5* .B**
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Options (additional costs)	/
Laminated safety glass	0751
Window polycarbonate	0753
Friction pointer adjustable	0679
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	0078

Certificates (Net-Prices)	
2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code	MEX3-D50.B22/0751_Q008
	MEX3 nominal size 63, bottom connection 1/4 NPT, dry, 0... 10 bar
	Laminated safety glass, 3.1 calibration certificate

Availability	stock item	upon manufacturing	- not available
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MEX5

Industrial pressure gauge stainless steel - nominal size 100



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	DIN case, bayonet
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 100 mm			
Process connection		G 1/2			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEX5-D30.B**	MEX5-F30.B**	MEX5-D31.B**	MEX5-F31.B**
Price in EUR					**▼
Pressure range	-1 ... 0 Bar	11011230	10286482	10283158	10286610
	-1 ... 0.6 Bar	10282286	10286484	10283169	10286614
	-1 ... 1.5 Bar	11011233	10286486	10283177	10286615
Price in EUR					
	-1 ... 3 Bar	11011234	10286487	10283189	10286616
	-1 ... 5 Bar	11011237	10286489	10283201	10286617
	-1 ... 9 Bar	11011238	10286493	10283215	10286622
	-1 ... 15 Bar	10282404	10286497	10283227	10286624
	-1 ... 24 Bar	10282417	10286498	10283235	11133438
Price in EUR					
	0 ... 0.6 Bar	11011101	10286392	10282834	11133437
	0 ... 1 Bar	11011111	10286395	10282841	10286538
	0 ... 1.6 Bar	11011128	10286399	10282852	10286540
	0 ... 2.5 Bar	11011142	11164350	10282864	10286541
Price in EUR					
	0 ... 4 Bar	11011143	10286405	10282883	10286546
	0 ... 6 Bar	11011146	10286414	10282908	10286552
	0 ... 10 Bar	11011161	10286424	10282943	10286565
	0 ... 16 Bar	11011162	10286434	10282984	10286579
	0 ... 25 Bar	11011164	10286443	10283023	10286586
Price in EUR					
	0 ... 40 Bar	11011174	10286455	10283052	10286590
	0 ... 60 Bar	11011177	10286463	10283070	10286594
	0 ... 100 Bar	11011178	10286466	10283091	10286597
	0 ... 160 Bar	11011179	10286468	10283105	10286598
	0 ... 250 Bar	11011221	10286469	10283112	10286599
	0 ... 400 Bar	11011222	10286471	10283126	10286601
	0 ... 600 Bar	11011223	10286475	10283140	10286603
Price in EUR					
	0 ... 1000 Bar	11011227	10286476	10283145	10286605
	0 ... 1600 Bar	10282256	10286478	10283155	10286607
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)

Bottom, 3 lugs for wall-mount	MEX5-A**B**
Rear, front ring for panel-mount, 3 mounting holes	MEX5-B**B**
Rear, 3 lugs for wall-mount	MEX5-E**B**
Rear, front ring and mounting bracket for panel-mount	MEX5-G**B**

Process connection

1/2 NPT	MEX5-6**B**
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Options (additional costs)

Laminated safety glass	/
Window polycarbonate	0751
Micro adjustable pointer (P > 1.6 bar)	0753
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	0678
Blow out disc at the back	0078
Restrictor screw	0760
Measuring element (free of oil and grease)	0771
Silicone-free with mark on dial	0764
Adjustable index pointer on dial (only without glycerin filling)	0794
Adjustable index pointer in the window	0051
	0053

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code MEX5-D30.B20/0751_Q008

MEX5 nominal size 100, connection bottom G 1/2, dry, 0...6 bar
Laminated safety glass, 3.1 calibration certificate

Availability

stock item

upon manufacturing

- not available

MEX8

Industrial pressure gauge stainless steel - nominal size 160



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	DIN case, bayonet
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 160 mm			
Process connection		G 1/2			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEX8-D30.B**	MEX8-F30.B**	MEX8-D31.B**	MEX8-F31.B**
Price in EUR					
Pressure range	-1 ... 0 Bar	10287474	11209780	10287591	11209790
	-1 ... 0.6 Bar	10287479	10287794	10287592	11209791
	-1 ... 1.5 Bar	10287481	11209781	10287594	11209792
Price in EUR					
	-1 ... 3 Bar	10287485	11209782	11133494	11209793
	-1 ... 5 Bar	10287490	10287795	10287598	11209794
	-1 ... 9 Bar	10287493	10287797	10287600	11209763
	-1 ... 15 Bar	10287494	11045507	11112365	11209764
	-1 ... 24 Bar	11133489	11209783	11093930	11209765
Price in EUR					
	0 ... 0.6 Bar	10287357	10287785	10287527	10287803
	0 ... 1 Bar	10287360	11094741	10287528	11209766
	0 ... 1.6 Bar	10287364	11176083	10287532	11209767
	0 ... 2.5 Bar	10287366	11209784	10287534	11209768
Price in EUR					
	0 ... 4 Bar	10287370	11047120	10287537	11209769
	0 ... 6 Bar	10287380	11013819	10287543	10287804
	0 ... 10 Bar	10287389	10287786	10287550	11126795
	0 ... 16 Bar	10287400	10287787	10287554	11014188
	0 ... 25 Bar	10287410	11128548	10287560	10287807
Price in EUR					
	0 ... 40 Bar	10287429	10287788	10287563	11103272
	0 ... 60 Bar	10287439	11209785	10287569	11209797
	0 ... 100 Bar	10287446	10287789	10287571	11209798
	0 ... 160 Bar	10287451	10287790	10287575	11209799
	0 ... 250 Bar	10287457	11128547	10287580	11209800
	0 ... 400 Bar	10287461	11209786	10287582	11209801
	0 ... 600 Bar	10287465	11209787	10287584	11209802
Price in EUR					
	0 ... 1000 Bar	10287470	11209789	10287587	11209803
	0 ... 1600 Bar	10287471	10287792	10287589	11209804
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)			
Bottom, 3 lugs for wall-mount			MEX8-A** .B**
Rear, front ring for panel-mount, 3 mounting holes			MEX8-B** .B**
Rear, 3 lugs for wall-mount			MEX8-E** .B**

Process connection	1/2 NPT		MEX8-6* .B**
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Options (additional costs)			/
Laminated safety glass			0751
Window polycarbonate			0753
Friction pointer adjustable			0679
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)			0078
Restrictor screw			0771
Measuring element (free of oil and grease)			0764
Silicone-free with mark on dial			0794
Adjustable index pointer on dial (only without glycerin filling)			0051
Adjustable index pointer in the window			0053

Certificates (Net-Prices)			
2.1 certificate			Q001
2.2 certificate			Q002
3.1 material certificate			Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing			Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing			Q009

Example ordering code	MEX8-D30.B20/0751_Q008	◀
	MEX8 nominal size 160, connection bottom G 1/2, dry, 0...6 bar	
	Laminated safety glass, 3.1 calibration certificate	

Availability	stock item	upon manufacturing	- not available
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MVX8

Test pressure gauge stainless steel - nominal size 160



► Please use exclusively the material number for standard products
 ► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 0.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304) DIN case, bayonet
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 160 mm			
Process connection		G 1/2			
Connection		bottom	rear		
					
Damping liquid		unfilled	unfilled	-	-
Ordering code ►		MVX8-D30.B**	MVX8-F30.B**	-	- **▼
Price in EUR					
Pressure range	-1 ... 0 Bar	10295085		-	59
	-1 ... 0.6 Bar	10295087		-	72
	-1 ... 1.5 Bar	10295088		-	74
	Price in EUR			-	
	-1 ... 3 Bar	10295090		-	76
	-1 ... 5 Bar	10295091		-	77
	-1 ... 9 Bar	10295092		-	79
	-1 ... 15 Bar	10295093		-	81
	-1 ... 24 Bar			-	82
	Price in EUR			-	
	0 ... 0.6 Bar	10295019		-	12
	0 ... 1 Bar	10295023		-	15
	0 ... 1.6 Bar	10295026		-	16
	0 ... 2.5 Bar	10295030	11247477	-	18
	Price in EUR			-	
	0 ... 4 Bar	10295034		-	19
	0 ... 6 Bar	10295038		-	20
	0 ... 10 Bar	10295044		-	22
	0 ... 16 Bar	10295049		-	24
	0 ... 25 Bar	10295055	11015123	-	26
	Price in EUR			-	
	0 ... 40 Bar	10295060		-	27
	0 ... 60 Bar	10295065		-	29
	0 ... 100 Bar	10295069		-	31
	0 ... 160 Bar	10295074	11082616	-	33
	0 ... 250 Bar	10295078		-	35
	0 ... 400 Bar	11041250		-	38
	0 ... 600 Bar	11176030		-	39
	Price in EUR			-	
	0 ... 1600 Bar	11156896		-	41
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)

Bottom, 3 lugs for wall-mount	MVX8-A**.B**
Rear, front ring for panel-mount, 3 mounting holes	MVX8-B**.B**

Process connection

1/2 NPT	MVX8-6*.B**
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Options (additional costs)

Laminated safety glass	0751
Window polycarbonate	0753
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	0078
Restrictor screw	0771
Measuring element (free of oil and grease)	0764
Calibration with oil (P<60 bar), marking "F" on the dial	0240

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
3.1 calibration certificate (EN 837-1) - 10 points increasing, 10 points decreasing	Q010

Example ordering code MVX8-D30.B20/0751_Q008

MVX8 nominal size 160, connection bottom G 1/2, dry, 0...6 bar
 Laminated safety glass, 3.1 calibration certificate

Availability	stock item	upon manufacturing	- not available
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MEP3

Safety pressure gauge stainless steel - nominal size 63



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4404 (AISI 316L)
	Safety case S3 (EN 837-1)
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Laminated safety glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 63 mm			
		G 1/4			
Process connection		bottom	rear	bottom	rear
Connection					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEP3-420.B**	MEP3-620.B**	MEP3-421.B**	MEP3-621.B**
Price in EUR					** ▼
Pressure range	-1 ...0 Bar				59
	-1 ...0.6 Bar				72
	-1 ...1.5 Bar				74
	Price in EUR				
	-1 ...3 Bar				76
	-1 ...5 Bar				77
	-1 ...9 Bar				79
	-1 ...15 Bar				81
	-1 ...24 Bar				82
	Price in EUR				
	0 ...1 Bar				15
	0 ...1.6 Bar				16
	0 ...2.5 Bar				18
	Price in EUR				
	0 ...4 Bar				19
	0 ...6 Bar				20
	Price in EUR				
	0 ...10 Bar				22
	0 ...16 Bar				24
	0 ...25 Bar				26
	0 ...40 Bar				27
	Price in EUR				
	0 ...60 Bar				29
	0 ...100 Bar				31
	0 ...160 Bar				33
	0 ...250 Bar				35
	0 ...400 Bar				38
	0 ...600 Bar	-	-	-	39
	Price in EUR				
	0 ...1000 Bar	-	-	-	41
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ 4)

Bottom, 3 lugs for wall-mount	MEP3-1**.B**
Rear, front ring for panel-mount, 3 mounting holes	MEP3-2**.B**

Process connection

1/4 NPT	MEP3-5*.B**
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Options (additional costs)

Internal compensation membrane (IP67)	/
Window polycarbonate	0763
Restrictor screw 0.3 mm	0753
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	0769
	0078

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code MEP3-420.B22/0078_Q008

MEP3 nominal size 63, connection bottom G 1/4, dry, 0...10 bar
ATEX CE II 2 GDc-IM2c, 3.1 calibration certificate

Availability	stock item	upon manufacturing	- not available
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MEP5

Safety pressure gauge stainless steel - nominal size 100



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4404 (AISI 316L)
	Safety case S3 (EN 837-1)
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Laminated safety glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 100 mm			
Process connection		G 1/2			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEP5-430 B**	MEP5-630 B**	MEP5-431 B**	MEP5-631 B**
Price in EUR					**▼
Pressure range	-1 ...0 Bar				59
	-1 ...0.6 Bar				72
	-1 ...1.5 Bar				74
	Price in EUR				
	-1 ...3 Bar				76
	-1 ...5 Bar				77
	-1 ...9 Bar				79
	-1 ...15 Bar				81
	-1 ...24 Bar				82
	Price in EUR				
	0 ...0.6 Bar				12
	0 ...1 Bar				15
	0 ...1.6 Bar				16
	0 ...2.5 Bar				18
	Price in EUR				
	0 ...4 Bar				19
	0 ...6 Bar				20
	0 ...10 Bar				22
	0 ...16 Bar				24
	0 ...25 Bar				26
	Price in EUR				
	0 ...40 Bar				27
	0 ...60 Bar				29
	0 ...100 Bar				31
	0 ...160 Bar				33
	0 ...250 Bar				35
	0 ...400 Bar				38
	0 ...600 Bar				39
	Price in EUR				
	0 ...1000 Bar				41
	0 ...1600 Bar				42
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ 4)

Bottom, 3 lugs for wall-mount	MEP5-1** B**
Rear, front ring for panel-mount, 3 mounting holes	MEP5-2** B**
Bottom, mounting on 2" pipe	MEP5-8** B**

Process connection

1/2 NPT	MEP5-6* B**
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Options (additional costs)

Window polycarbonate	/
Friction pointer adjustable	0753
Micro adjustable pointer (P > 1.6 bar)	0679
ATEX CE II 2 GDc-IM2c (only with laminated safety glass)	0678
Internal compensation membrane (IP67)	0078
Restrictor screw 0.5 mm	0763
Oil and grease-free measuring element for oxygen applications	0771
Silicone-free with mark on dial	0765
Adjustable index pointer on dial (only without glycerin filling)	0794
	0051

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code

MEP5-430.B20/0078_Q008
 MEP5 nominal size 100, connection bottom G 1/2, dry, 0...6 bar
 ATEX CE II 2 GDc-IM2c, 3.1 calibration certificate

Availability	stock item	upon manufacturing	- not available
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MEP6

Safety pressure gauge stainless steel - nominal size 115



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4404 (AISI 316L)
	Safety case S3 (EN 837-1)
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Laminated safety glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 115 mm			
Process connection		G 1/2			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEP6-430.B**	MEP6-630.B**	MEP6-431.B**	MEP6-631.B**
Pressure range	Price in EUR				**▼
	-1 ... 0 Bar				59
	-1 ... 0.6 Bar				72
	-1 ... 1.5 Bar				74
	Price in EUR				
	-1 ... 3 Bar				76
	-1 ... 5 Bar				77
	-1 ... 9 Bar				79
	-1 ... 15 Bar				81
	-1 ... 24 Bar				82
	Price in EUR				
	0 ... 0.6 Bar				12
	0 ... 1 Bar				15
	0 ... 1.6 Bar				16
	0 ... 2.5 Bar				18
	Price in EUR				
	0 ... 4 Bar				19
	0 ... 6 Bar				20
	0 ... 10 Bar				22
	0 ... 16 Bar				24
	0 ... 25 Bar				26
	Price in EUR				
	0 ... 40 Bar				27
	0 ... 60 Bar				29
	0 ... 100 Bar				31
	0 ... 160 Bar				33
	0 ... 250 Bar				35
	0 ... 400 Bar				38
	0 ... 600 Bar				39
	Price in EUR				
	0 ... 1000 Bar				41
	0 ... 1600 Bar				42
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ 4)			
Bottom, 3 lugs for wall-mount			MEP6-1**.B**
Rear, front ring for panel-mount, 3 mounting holes			MEP6-2**.B**
Bottom, mounting on 2" pipe			MEP6-8**.B**

Process connection	1/2 NPT		MEP6-*6*.B**
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Options (additional costs)			/
Window polycarbonate			0753
Friction pointer adjustable			0679
ATEX CE II 2 GDC-IM2c (only with laminated safety glass)			0078
Restrictor screw			0771
Measuring element (free of oil and grease)			0765
Silicone-free with mark on dial			0794
Adjustable index pointer on dial (only without glycerin filling)			0051

Certificates (Net-Prices)			
2.1 certificate			Q001
2.2 certificate			Q002
3.1 material certificate			Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing			Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing			Q009

Example ordering code	MEP6-460.H19/0753_Q003	◀
	MEP6 nominal size 115, connection bottom 1/2 NPT, dry, 0...60 psi	
	Window polycarbonate, 3.1 material certificate	

Availability	stock item	upon manufacturing	- not available
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MEP8

Safety pressure gauge stainless steel - nominal size 160



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4404 (AISI 316L)
	Safety case S3 (EN 837-1)
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Laminated safety glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 160 mm			
Process connection		G 1/2			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEP8-430.B**	MEP8-630.B**	MEP8-431.B**	MEP8-631.B**
Price in EUR					** ▼
Pressure range	-1 ... 0 Bar				59
	-1 ... 0.6 Bar				72
	-1 ... 1.5 Bar				74
Price in EUR					
	-1 ... 3 Bar				76
	-1 ... 5 Bar				77
	-1 ... 9 Bar				79
	-1 ... 15 Bar				81
	-1 ... 24 Bar				82
Price in EUR					
	0 ... 0.6 Bar				12
	0 ... 1 Bar				15
	0 ... 1.6 Bar				16
	0 ... 2.5 Bar				18
Price in EUR					
	0 ... 4 Bar				19
	0 ... 6 Bar				20
	0 ... 10 Bar				22
	0 ... 16 Bar				24
	0 ... 25 Bar				26
Price in EUR					
	0 ... 40 Bar				27
	0 ... 60 Bar				29
	0 ... 100 Bar				31
	0 ... 160 Bar				33
	0 ... 250 Bar				35
	0 ... 400 Bar				38
	0 ... 600 Bar				39
Price in EUR					
	0 ... 1000 Bar				41
	0 ... 1600 Bar				42
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ 4)

Bottom, 3 lugs for wall-mount	MEP8-1**.B**
Rear, front ring for panel-mount, 3 mounting holes	MEP8-2**.B**
Bottom, mounting on 2" pipe	MEP8-8**.B**

Process connection

1/2 NPT	MEP8-6*.B**
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Options (additional costs)

Window polycarbonate	/
Friction pointer adjustable	0753
Restrictor screw	0679
Measuring element (free of oil and grease)	0771
Silicone-free with mark on dial	0765
Adjustable index pointer on dial (only without glycerin filling)	0794
	0051

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code

MEP8-430.B20/0753_Q003
 MEP8 nominal size 160, connection bottom G 1/2, dry, 0...6 bar
 Window polycarbonate, 3.1 material certificate

Availability	stock item	upon manufacturing	- not available
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MFP5 / MFP8

High pressure gauge stainless steel - nominal size 100, 160



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1, DIN 16001)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	S3 safety housing (EN 837-1, DIN 16001)
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Laminated safety glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 100 mm		Ø 160 mm	
Process connection		M16 x 1.5 female thread, conical		M16 x 1.5 female thread, conical	
Connection		bottom	bottom	bottom	bottom
Damping liquid		unfilled	Glycerine	unfilled	Glycerine 1)
Ordering code ►		MFP5-DU0.B**	MFP5-DU1.B**	MFP8-DU0.B**	MFP8-DU1.B**
Pressure range	Price in EUR				
	0.2'000 Bar				43
	0.2'500 Bar				96
	0.3'000 Bar				44
	Price in EUR				
	0.4'000 Bar				45
	0.5'000 Bar	-	-		46
	Price in EUR	-	-		
	0.6'000 Bar	-	-		47
	0.7'000 Bar	-	-		92
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)	
Bottom, 3 lugs for wall-mount	MFP*-A**.B**
Rear, front ring for panel-mount, 3 mounting holes	MFP*-C**.B**

Process connection	
9/16" - 18 UNF (autoclave)	MFP*-x*.B**
G 1/2 (max. 2'500 bar)	MFP*-3*.B**

Certificates (Net-Prices)	
2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

1) Pressure ranges ≥ 0...4000 bar: White oil

Example ordering code		MPF8-D30.B96/Q003
		MPF8 nominal size 160, connection bottom G 1/2, dry, 0...2'500 bar
		3.1 material certificate
Availability	stock item	upon manufacturing
		- not available

WEP5

IoT-Safety gauge LoRaWAN, stainless steel - nominal size 100



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4404 (AISI 316L)
	Safety case S3 (EN 837-1)
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Laminated safety glass
Ambient temperature	-20°C ... 70°C
Data transfer protocol	LoRaWAN 1.0.2
Uplink data transmission	Without acknowledgement
Power supply	Integrated longlife battery

Nominal size	Ø 100 mm			
Process connection	G 1/2			
Data transfer intervals	1 min			
Connection	bottom		bottom	
				
Damping liquid	unfilled		Silicone	
Ordering code ►	WEP5-430.B**.1001	-	WEP5-433.B**.1001	-
Price in EUR				** ▼
Pressure range	-1 ... 0 Bar	-	-	59
	-1 ... 0.6 Bar	-	-	72
	-1 ... 1.5 Bar	-	-	74
Price in EUR		-	-	
	-1 ... 3 Bar	-	-	76
	-1 ... 5 Bar	-	-	77
	-1 ... 9 Bar	-	-	79
	-1 ... 15 Bar	-	-	81
	-1 ... 24 Bar	-	-	82
Price in EUR		-	-	
	0 ... 0.6 Bar	-	-	12
	0 ... 1 Bar	-	-	15
	0 ... 1.6 Bar	-	-	16
	0 ... 2.5 Bar	-	-	18
Price in EUR		-	-	
	0 ... 4 Bar	-	-	19
	0 ... 6 Bar	-	-	20
	0 ... 10 Bar	-	-	22
	0 ... 16 Bar	-	-	24
	0 ... 25 Bar	-	-	26
Price in EUR		-	-	
	0 ... 40 Bar	-	-	27
	0 ... 60 Bar	-	-	29
	0 ... 100 Bar	-	-	31
	0 ... 160 Bar	-	-	33
	0 ... 250 Bar	-	-	35
	0 ... 400 Bar	-	-	38
	0 ... 600 Bar	-	-	39
Price in EUR		-	-	
	0 ... 1000 Bar	-	-	41
	0 ... 1600 Bar	-	-	42
Material number ►	▲	▲	▲	▲

Data transfer intervals	3 min	WEP5-4**.B**.2***
	30 min	WEP5-4**.B**.6***
	3 hours	WEP5-4**.B**.8***
	12 hours	WEP5-4**.B**.A***

Uplink data transmission	With acknowledgement	WEP5-4**.B**.*1**
	Hybrid mode	WEP5-4**.B**.*2**

Approval	ATEX / IECEx II 1 GD ia T4	WEP5-4**.B**.*1*
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Process connection	1/2 NPT	WEP5-6*.B**.****
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Options (additional costs)		/
	Window polycarbonate	0753
	Restrictor screw	0771

Certificates (Net-Prices)	2.1 certificate	Q001
	2.2 certificate	Q002
	3.1 material certificate	Q003
	3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
	3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code	WEP5-430.B20.8001/Q008	◀
	WEP5 nominal size 100, connection bottom G 1/2, dry, 0...6 bar	
	Data transfer intervals 3 hours, uplink data transmission without acknowledgement, calibration certificate 3.1	

Availability	stock item	upon manufacturing	- not available
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MAT1 / MAT2

Utility pressure gauge steel / brass - nominal size 40 / 50



► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 2.5 (EN 837-1)
Protection rating	IP32 (EN 60529)
Housing	Steel, black
	Bezel ring, removable
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 40 mm		Ø 50 mm	
		G 1/8		G 1/4	
Process connection		bottom	rear	bottom	rear
Connection					
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MAT1-D10.B**	MAT1-F10.B**	MAT2-D20.B**	MAT2-F20.B**
Price in EUR					** ▼
Pressure range	-1 ... 0 Bar	10272294	10272313	11155915	11155916
	0 ... 1 Bar	10272281	10272296	10272327	10272355
Price in EUR					
	0 ... 1.6 Bar	10272282	10272297	10272328	11196002
	0 ... 2.5 Bar	10272283	10272298	10272329	10272357
Price in EUR					
	0 ... 4 Bar	10272284	10272299	10272330	10272358
	0 ... 6 Bar	10272285	10272301	10272331	10272359
	0 ... 10 Bar	10272286	10272303	10272332	10272360
	0 ... 16 Bar	10272287	10272305	10272334	10272361
	0 ... 25 Bar	10272288	10272306	10272335	10272362
	0 ... 40 Bar	10272289	10272307	10272336	10272363
	0 ... 60 Bar	10272290	10272308	10325495	11196003
	0 ... 100 Bar	10272291	10272309	11195988	11196004
	0 ... 160 Bar	10272292	10272310	10272337	11196005
	0 ... 250 Bar	10272293	10272311	11196001	11196006
Material number ►		▲	▲	▲	▲

Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code **MAT1-D10.B20** ◀
MAT1 nominal size 40, connection bottom G 1/8, dry, 0...6 bar

Availability	stock item	upon manufacturing	- not available
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MAT3

Utility pressure gauge steel / brass - nominal size 63



► Please use the corresponding material number and / or

► Please use the ordering code

Accuracy	Accuracy class 2.5 (EN 837-1)
Protection rating	IP32 (EN 60529)
Housing	Steel, black
	Bezel ring, removable
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 63 mm		-	
Process connection		G 1/4		-	
Connection		bottom	rear		
					
Damping liquid		unfilled	unfilled	-	-
Ordering code ►		MAT3-D20.B**	MAT3-F20.B**	-	** ▼
Price in EUR				-	-
Pressure range	-1 ...0 Bar	10272396	10272423	-	59
	0 ...1 Bar	10272382	10272416	-	15
	0 ...1.6 Bar	10272383	11157487	-	16
	0 ...2.5 Bar	10272384	10272417	-	18
Price in EUR				-	-
	0 ...4 Bar	10272385	10272418	-	19
	0 ...6 Bar	10272386	10272419	-	20
	0 ...10 Bar	10272387	10272420	-	22
	0 ...16 Bar	10272388	10272421	-	24
	0 ...25 Bar	10272389	10272422	-	26
	0 ...40 Bar	10272390	11196007	-	27
Price in EUR				-	-
	0 ...60 Bar	10272391	11155937	-	29
	0 ...100 Bar	10272392	11196008	-	31
	0 ...160 Bar	10272393	11196009	-	33
	0 ...250 Bar	10272394	11196030	-	35
Material number ►		▲	▲	▲	▲

Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code MAT3-F20.B20

MAT3 nominal size 63, connection bottom G 1/4, dry, 0...6 bar

Availability

stock item

upon manufacturing

- not available

MAT5

Utility pressure gauge steel / brass - nominal size 100



► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP32 (EN 60529)
Housing	Steel, black
	Bezel ring, removable
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 100 mm		-	
Process connection		G 1/2		-	
Connection		bottom	rear		
					
Damping liquid		unfilled	unfilled	-	-
Ordering code ►		MAT5-D30.B**	MAT5-F30.B**	-	**▼
Price in EUR				-	-
Pressure range	-1 ...0 Bar	10272465	11156032	-	59
	0 ...1 Bar	10272451	11156021	-	15
	0 ...1.6 Bar	10272452	11210115	-	16
	0 ...2.5 Bar	10272453	11156023	-	18
Price in EUR				-	-
	0 ...4 Bar	10272454	11156024	-	19
	0 ...6 Bar	10272455	11156027	-	20
	0 ...10 Bar	10272456	11156028	-	22
	0 ...16 Bar	10272457	11156029	-	24
	0 ...25 Bar	10272458	11156031	-	26
	0 ...40 Bar	10272459	11210116	-	27
Price in EUR				-	-
	0 ...60 Bar	10272460	11210118	-	29
	0 ...100 Bar	10272461	11210119	-	31
	0 ...160 Bar	10272462	11210120	-	33
	0 ...250 Bar	10272463	11210121	-	35
Material number ►		▲	▲	▲	▲

Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code	MAT5-F30.B20	◀
MAT5 nominal size 100, bottom connection, dry, 0...6 bar		

Availability	stock item	upon manufacturing	- not available
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MPT1 / MPT2

Utility pressure gauge ABS / brass - nominal size 40 / 50



► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 2.5 (EN 837-1)
Protection rating	IP32 (EN 60529)
Housing	ABS, black
	Window clipped in
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Acrylic glas
Ambient temperature	-20°C ...70°C

Nominal size Process connection Connection		Ø 40 mm G 1/8		Ø 50 mm G 1/4	
		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MPT1-D10.B**	MPT1-F10.B**	MPT2-D20.B**	MPT2-F20.B**
	Price in EUR				** ▼
Pressure range	-1 ...0 Bar				59
	0 ...1 Bar				15
	Price in EUR				
	0 ...1.6 Bar				16
	0 ...2.5 Bar				18
	Price in EUR				
	0 ...4 Bar				19
	0 ...6 Bar				20
	0 ...10 Bar				22
	0 ...16 Bar				24
	0 ...25 Bar				26
	0 ...40 Bar				27
	0 ...60 Bar				29
	0 ...100 Bar				31
	0 ...160 Bar				33
	0 ...250 Bar				35
Material number ►		▲	▲	▲	▲

Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code **MPT1-D10.B20**
MPT1 nominal size 40, connection bottom G 1/8, dry, 0...6 bar

Availability	stock item	upon manufacturing	- not available
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MPT3 / MPT4

Utility pressure gauge ABS / brass - nominal size 63 / 80



- Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 2.5 (EN 837-1)
Protection rating	IP32 (EN 60529)
Housing	ABS, black
	Window clipped in
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	for nominal size Ø 63 mm: acrylic glas
	for nominal size Ø 80 mm: polycarbonate rotatable with red index pointer
Ambient temperature	-20°C ... 70°C

Nominal size		Ø 63 mm		Ø 80 mm	
Process connection		G 1/4		G 1/2	
Connection		bottom	rear	bottom	
					
Damping liquid		unfilled	unfilled	unfilled	-
Ordering code ►		MPT3-D20.B**	MPT3-F20.B**	MPT4-D30.B**/0058	-
Price in EUR					-
Pressure range	-1 ...0 Bar				59
	0 ...1 Bar			11250364	15
	0 ...1.6 Bar				16
	0 ...2.5 Bar			11250374	18
	Price in EUR				-
	0 ...4 Bar			11250359	19
	0 ...6 Bar			11250254	20
	0 ...10 Bar			11250371	22
	0 ...16 Bar			11250372	24
	0 ...25 Bar			11250373	26
	0 ...40 Bar				27
	Price in EUR				-
	0 ...60 Bar				29
	0 ...100 Bar				31
	0 ...160 Bar				33
	0 ...250 Bar				35
Material number ►		▲	▲	▲	▲

Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code **MPT3-F20.B20**
MPT3 nominal size 63, connection bottom G 1/4, dry, 0...6 bar

Availability	stock item	upon manufacturing	- not available
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MIT3

Utility pressure gauge stainless steel / brass - nominal size 63



► Please use the corresponding material number and / or

► Please use the ordering code

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP54 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	Bezel ring crimped on case
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Polycarbonate
Ambient temperature	-10°C ... 70°C

Nominal size		Ø 63 mm G 1/4			
Process connection					
Connection		bottom	rear with front ring for panel-mount	rear	rear for panel-mount with U-clamp
					
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MIT3-D20.B**	MIT3-B20.B**	MIT3-F20.B**	MIT3-G20.B**
Price in EUR					
Pressure range	-1 ... 0 Bar	10325559	11195907	10325596	11195938
	0 ... 1 Bar	10325663	11195892	10325567	11195913
Price in EUR					
	0 ... 1.6 Bar	10325664	11195893	10325568	11195914
	0 ... 2.5 Bar	10325665	11195894	10325569	10325576
	0 ... 4 Bar	10325667	11195895	10325570	11195916
	0 ... 6 Bar	10325547	11195896	10325571	11195917
	0 ... 10 Bar	10325548	11195897	10325572	10325580
	0 ... 16 Bar	10325549	11195898	10325588	11195918
	0 ... 25 Bar	10325551	11195899	10325589	11195919
	0 ... 40 Bar	10325552	11195900	11155861	11195930
	0 ... 60 Bar	10325553	11195901	10325590	11195931
	0 ... 100 Bar	10325554	11195902	10325591	11195933
	0 ... 160 Bar	10325555	11195903	10325592	11195934
	0 ... 250 Bar	10325556	11195904	10325593	11195935
Price in EUR					
	0 ... 400 Bar	11195908	11013309	11195910	11195936
	0 ... 600 Bar	11195909	11195905	11195911	11195937
Material number ►		▲	▲	▲	▲

Process connection

1/4 NPT (only with double scale psi/bar, pressure ranges and availability upon request)

MIT3-5*.S**

Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code

MIT3-F20.B26
MIT3 nominal size 63, connection center back G 1/4, dry, 0...25 bar

Availability

stock item

upon manufacturing

- not available

MIT3

Utility pressure gauge stainless steel / brass - nominal size 63



► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP54 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	Bezel ring crimped on case
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Polycarbonate
Ambient temperature	-10°C ... 70°C

Nominal size		Ø 63 mm G 1/4			
Process connection					
Connection		bottom	rear with front ring for panel-mount	rear	rear for panel-mount with U-clamp
					
Damping liquid		Glycerine	Glycerine	Glycerine	Glycerine
Ordering code ►		MIT3-D22.B**	MIT3-B22.B**	MIT3-F22.B**	MIT3-G22.B**
Price in EUR					
Pressure range					
	-1 ... 0 Bar	10288225	10288199	10288320	10288378
	0 ... 1 Bar	10288206	10288184	10288306	10288364
Price in EUR					
	0 ... 1.6 Bar	10288207	11210123	11210125	11210126
	0 ... 2.5 Bar	10288208	10288185	10288307	10288365
	0 ... 4 Bar	10288209	10288186	10288308	10288366
	0 ... 6 Bar	10288212	10288187	10288309	10288367
	0 ... 10 Bar	10288213	10288188	10288310	10288368
	0 ... 16 Bar	10288214	10288189	10288311	10288369
	0 ... 25 Bar	10288216	10288190	10288312	10288370
	0 ... 40 Bar	10288217	10288191	10288313	10288371
	0 ... 60 Bar	10288218	10288192	10288314	10288372
	0 ... 100 Bar	10288219	10288193	10288315	10288373
	0 ... 160 Bar	10288220	10288195	10288316	10288374
	0 ... 250 Bar	10288221	10288196	10288317	10288375
Price in EUR					
	0 ... 400 Bar	10288222	10288197	10288318	10288376
	0 ... 600 Bar	10288223	10288198	10288319	10288377
Material number ►		▲	▲	▲	▲

Process connection	1/4 NPT (only with double scale psi/bar, pressure ranges and availability upon request)	MIT3-*5*.S**
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Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code	MIT3-F22.B26			
	MIT3 nominal size 63, connection center back G 1/4, Glycerin, 0...25 bar			
Availability	stock item	upon manufacturing	- not available	

MIT5

Utility pressure gauge stainless steel / brass - nominal size 100

► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	Crimped housing
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Polycarbonate
Ambient temperature	-10°C ... 70°C



Nominal size		Ø 100 mm			
Process connection		G 1/2			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MIT5-D30.B**	MIT5-F30.B**	MIT5-D32.B**	MIT5-F32.B**
Price in EUR					**▼
Pressure range	-1 ...0 Bar	11195954	11195980	11195957	11195984
	0 ...1 Bar	11155864	11195959	10288395	11155887
Price in EUR					
	0 ...1.6 Bar	11195939	11195960	11195955	11195982
	0 ...2.5 Bar	11155865	11195961	10288396	11155888
	0 ...4 Bar	11155866	11155873	10288397	11155889
	0 ...6 Bar	11155867	11155874	10288398	11155890
	0 ...10 Bar	11155868	11155884	10288400	11155891
	0 ...16 Bar	11155869	11155885	10288402	11155892
	0 ...25 Bar	11155870	11155886	10288405	11155893
	0 ...40 Bar	11155872	11195962	10288406	11155894
	0 ...60 Bar	11195950	11195964	10288407	11155899
Price in EUR					
	0 ...100 Bar	11195951	11195965	10288408	11155910
	0 ...160 Bar	11195952	11195967	10288409	11155911
	0 ...250 Bar	11195953	11195968	10288410	11155912
Material number ►		▲	▲	▲	▲

Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code MIT5-F32.B26
MIT5 nominal size 100, connection center back G 1/2, Glycerin, 0...25 bar

Availability	stock item	upon manufacturing	- not available
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MTR1 / MTR2

Utility pressure gauge stainless steel / brass - nominal size 40 / 50 (Pneumatic)



► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 2.5 (EN 837-1)
Protection rating	IP32 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	Bezel ring, removable
Bourdon tube	Copper alloy
Connection	Copper alloy
Window	Instrument glass
Scaling	Triple scale bar, kg/cm2, psi
Ambient temperature	-20°C ...70°C

Nominal size		Ø 40 mm		Ø 50 mm	
Process connection		1/8 NPT	1/4 NPT	1/4 NPT	
Connection		rear	rear	bottom	
Damping liquid		unfilled	unfilled	unfilled	
Ordering code ►		MTR1-F40.B**	MTR1-F50.B**	MTR2-D50.B**	- **▼
Price in EUR					
Pressure range	0 ...2 Bar	10294292	10294297	10294304	- 17
	0 ...4 Bar	10294293	10294298	10294305	- 19
	0 ...7 Bar	10294294	10294299	10294306	- 21
	0 ...11 Bar	10294295	10294300	10294307	- 94
Material number ►		▲	▲	▲	▲

Example ordering code	MTR1-F40.B21	◀
MTR1 nominal size 40, back connection 1/8 NPT, dry, 0...7 bar		

Availability	stock item	upon manufacturing	- not available
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MTA2

Capsule pressure gauge stainless steel / brass - nominal size 50



► Please use exclusively the material number for standard products
 ► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-3) Zero adjustment screw on front side
Protection rating	IP44 (EN 60529), version bottom connection IP33
Housing	Stainless steel 1.4301 (AISI 304)
Measuring element	Capsule
Connection	Copper alloy
Window	Copper alloy
Ambient temperature	Polycarbonate, snap-fitted into the case -20°C ... 60°C

Nominal size		Ø 50 mm			
Process connection		G 1/4			
Connection		bottom	rear	rear with front ring for panel-mount	rear with U-clamp for panel-mount
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MTA2-D20.N**	MTA2-F20.N**	MTA2-B20.N**	MTA2-G20.N**
Price in EUR					
Pressure range	-25 ...40 mbar	11014874	11128292	11195992	11196121
	-40 ...60 mbar	11196064	11196091	11195994	11196122
Price in EUR					
Pressure range	-60 ...100 mbar	10293912	11196092	11195998	11196124
Price in EUR					
Pressure range	0 ...60 mbar	10293900	10293929	10293888	10293953
	0 ...100 mbar	10293901	10293931	10293889	10293954
Price in EUR					
Pressure range	0 ...160 mbar	10293902	10293933	10293890	11016671
	0 ...250 mbar	10293903	10293934	11195948	10293955
Pressure range	0 ...400 mbar	10293905	10293935	10293891	11138953
	0 ...600 mbar	10293906	10293936	10293892	10293957
Price in EUR					
Pressure range	-60 ...0 mbar	10293907	10293939	11180927	11196095
	-100 ...0 mbar	10293908	10293941	11195971	11196096
Price in EUR					
Pressure range	-160 ...0 mbar	10293909	11196076	11195974	11196097
	-250 ...0 mbar	10293910	11196079	11195976	11196098
Pressure range	-400 ...0 mbar	10293911	10293942	11195978	11196099
	-600 ...0 mbar	11196061	11196090	11195990	11196120
Pressure range	-100 ...160 mbar	11196067	11181533	11196010	11196123
	-160 ...250 mbar	11196070	11196093	11196047	11196125
Pressure range	-250 ...400 mbar	11196073	11196094	11196049	11196126
Material number ►		▲	▲	▲	▲

Process connection	1/4 NPT	MTA2-50.N**
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Certificates (Net-Prices)	2.1 certificate	/
	2.2 certificate	Q001
	3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q002
	3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q008
		Q009

Example ordering code	MTA2-F20.N10	◀
	MTA2 nominal size 50, connection center back, G 1/4, dry, 0...250 mbar	

Availability	stock item	upon manufacturing	- not available
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MTA3

Capsule pressure gauge stainless steel / brass - nominal size 63



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-3)
Protection rating	Zero adjustment screw on front side
Housing	IP44 (EN 60529), version bottom connection IP33
Measuring element	Stainless steel 1.4301 (AISI 304)
Connection	Capsule
Window	Copper alloy
Ambient temperature	Copper alloy
	Polycarbonate, snap-fitted into the case
	-20°C ... 60°C

Nominal size		Ø 63 mm			
Process connection		G 1/4			
Connection		bottom	rear	rear with front ring for panel-mount	rear with U-clamp for panel-mount
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MTA3-D20.N**	MTA3-F20.N**	MTA3-B20.N**	MTA3-G20.N**
Pressure range	Price in EUR				
	-25 ... 40 mbar	10294003	10294093	11196129	11196147
Price in EUR	-40 ... 60 mbar	10294004	10294094	10293975	11196175
	-60 ... 100 mbar	10294007	10356079	10293976	11196177
Price in EUR	0 ... 60 mbar	11012109	10294079	10293964	10294109
	0 ... 100 mbar	11012132	10294082	10293965	10294111
Price in EUR	0 ... 160 mbar	10293991	10294083	10293966	11099102
	0 ... 250 mbar	10293992	10294084	10293967	10294112
Price in EUR	0 ... 400 mbar	11012133	11012134	10293968	11047933
	0 ... 600 mbar	10293995	10294086	10293969	10294113
Price in EUR	-60 ... 0 mbar	10293996	10294087	10293970	11105372
	-100 ... 0 mbar	10293997	10294088	10293971	10294114
Price in EUR	-160 ... 0 mbar	10293999	10294089	11014674	11196145
	-250 ... 0 mbar	10294000	10294090	10293973	10294115
Price in EUR	-400 ... 0 mbar	10294001	10294092	10293974	10294116
	-600 ... 0 mbar	10294002	11196142	11196128	11196146
Price in EUR	-100 ... 160 mbar	10294008	10294095	11094104	11196190
	-160 ... 250 mbar	10294009	11196143	10293977	11196191
Price in EUR	-250 ... 400 mbar	11196141	11196144	11196140	11196192
Material number ►		▲	▲	▲	▲

Process connection	1/4 NPT	MTA3-50.N**
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Certificates (Net-Prices)	2.1 certificate	/
	2.2 certificate	Q001
	3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q002
	3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q008
		Q009

Example ordering code	MTA3-F20.N11	◀
	MTA3 nominal size 63, connection center back, G 1/4, dry, 0...400 mbar	

Availability	stock item	upon manufacturing	- not available
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MTA5

Capsule pressure gauge stainless steel / brass - nominal size 100



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-3)
Protection rating	Zero adjustment screw on front side
Housing	IP44 (EN 60529), version bottom connection IP33
Measuring element	Stainless steel 1.4301 (AISI 304)
Connection	Capsule
Window	Copper alloy
Ambient temperature	Copper alloy
	Polycarbonate, snap-fitted into the case
	-20°C ... 60°C

Nominal size		Ø 100 mm			
Process connection		G 1/2			
Connection		bottom	rear	rear with front ring for panel-mount	rear with 3 lugs for wall-mount
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MTA5-D30.N**	MTA5-F30.N**	MTA5-B30.N**	MTA5-E30.N**
Pressure range	Price in EUR				
	-16 ...0 mbar	10294179	11196244	10294143	11196227
Price in EUR	-25 ...0 mbar	10294180	11196245	10294144	11196229
	-40 ...0 mbar	10294181	10294259	10294145	11196230
Price in EUR	-6 ...10 mbar	10294189	11196249	11196198	11196236
	-10 ...16 mbar	10294190	11196250	10294148	11196237
Price in EUR	-16 ...25 mbar	10294191	11196251	11196201	11196238
	-25 ...40 mbar	-	-	-	-
Price in EUR	-40 ...60 mbar	10294193	11196252	11196202	11196239
	-60 ...100 mbar	11052044	11196253	11196203	11196240
Price in EUR	0 ...16 mbar	10294168	10294250	10294138	11196209
	0 ...25 mbar	10294169	10294251	10294139	11196220
Price in EUR	0 ...40 mbar	10294170	10294252	11140699	11196221
	0 ...60 mbar	-	-	-	-
Price in EUR	0 ...100 mbar	11012136	10294254	10294140	11196222
	0 ...160 mbar	10294175	10294255	10294141	11196207
Price in EUR	0 ...250 mbar	10294176	10294256	11119902	11196223
	0 ...400 mbar	10294177	10294257	11180521	11196225
Price in EUR	0 ...600 mbar	11012137	10294258	10294142	11196226
	-60 ...0 mbar	-	-	-	-
Price in EUR	-100 ...0 mbar	10294183	11196246	11196193	11196232
	-160 ...0 mbar	10294185	10294260	10294147	11196233
Price in EUR	-250 ...0 mbar	10294186	11196247	11196194	11196234
	-400 ...0 mbar	10294187	11196248	11196195	11196235
Price in EUR	-600 ...0 mbar	10294188	10294261	11196197	11014572
	-100 ...160 mbar	10294194	11196254	11196204	11196241
Price in EUR	-160 ...250 mbar	10294195	11196255	11196205	11196242
	-250 ...400 mbar	10294196	11196256	11196206	11196243
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)			
Bottom, 3 lugs for wall-mount			MTA5-A**.N**
Process connection			
1/2 NPT			MTA5-*.N**.N**
Options (additional costs)			/
Restrictor screw			0771
Certificates (Net-Prices)			/
2.1 certificate			Q001
2.2 certificate			Q002
3.1 calibration certificate - 5 points increasing, 1 point decreasing			Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing			Q009

Example ordering code	MTA5-D30.N06/0771	◀
MTA5 nominal size 100, connection bottom G 1/2, dry, 0...40 mbar		
Restrictor screw		

Availability	stock item	upon manufacturing	- not available
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MTX5

Capsule pressure gauge stainless steel - nominal size 100



► Please use exclusively the material number for standard products	
► Please use the ordering code for configured products with options, certificates, ...	
Accuracy	Accuracy class 1.6 (EN 837-3) Zero adjustment screw on front side
Protection rating	IP44 (EN 60529), version bottom connection IP33
Housing	Stainless steel 1.4301 (AISI 304)
Measuring element	Capsule Stainless steel
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Polycarbonate, snap-fitted into the case
Ambient temperature	-20°C ... 60°C

Nominal size		Ø 100 mm			
Process connection		G 1/2			
Connection		bottom	rear	rear with front ring for panel-mount	rear with 3 lugs for wall-mount
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MTX5-D30.N**	MTX5-F30.N**	MTX5-B30.N**	MTX5-E30.N**
Pressure range	Price in EUR				
	-16 ... 0 mbar	10294381	11196182	11196137	11196169
Price in EUR	-25 ... 0 mbar	10294382	11083607	11105847	11196180
	-40 ... 0 mbar	11129968	11196210	11196138	11196181
Price in EUR	-6 ... 10 mbar	10294390	11196219	11196152	11196187
	-10 ... 16 mbar	10294391	11196260	11196153	11196188
Price in EUR	-16 ... 25 mbar	10294392	10358907	11196154	11196189
	-25 ... 40 mbar	-	-	-	-
Price in EUR	-40 ... 60 mbar	10294394	10294480	11196155	11196211
	-60 ... 100 mbar	10294396	11196261	11196156	11196212
Price in EUR	0 ... 16 mbar	10294368	11196159	11196135	11196160
	0 ... 25 mbar	10294369	11105852	10294337	11196161
Price in EUR	0 ... 40 mbar	10294370	10294472	11044055	11196162
	0 ... 60 mbar	-	-	-	-
Price in EUR	0 ... 100 mbar	10294373	10294474	10294339	11196164
	0 ... 160 mbar	10294374	10294475	10358900	11196165
Price in EUR	0 ... 250 mbar	10294375	10294476	10294341	11196166
	0 ... 400 mbar	10294377	10294477	10294342	11196167
	0 ... 600 mbar	10294378	10294478	11105850	11196168
Price in EUR	-60 ... 0 mbar	-	-	-	-
	-100 ... 0 mbar	10294384	11105851	11105952	11196183
Price in EUR	-160 ... 0 mbar	10294385	11196216	11196139	11196184
	-250 ... 0 mbar	10294386	10294479	11105849	11141713
Price in EUR	-400 ... 0 mbar	10294387	11196217	11196150	11196185
	-600 ... 0 mbar	10294388	11196218	11196151	11196186
Price in EUR	-100 ... 160 mbar	10294398	11050827	11196157	11196213
	-160 ... 250 mbar	10294399	11196262	11196158	11196136
Price in EUR	-250 ... 400 mbar	10294400	11050902	10294344	11196159
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)			
	Bottom, 3 lugs for wall-mount		MTX5-A**.N**
Process connection			
	1/2 NPT		MTX5-6*.N**
Options (additional costs)			/
	Restrictor screw		0771
Certificates (Net-Prices)			/
	2.1 certificate		Q001
	2.2 certificate		Q002
	3.1 material certificate		Q003
	3.1 calibration certificate - 5 points increasing, 1 point decreasing		Q008
	3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing		Q009

Example ordering code	MTX5-D60.N09	◀
	MTX5 nominal size 100, connection bottom 1/2 NPT, dry, 0...160 mbar	

Availability	stock item	upon manufacturing	- not available
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MCX5

Capsule pressure gauge stainless steel - nominal size 100



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-3) Zero adjustment screw on front side
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304) Bayonet lock
Measuring element	Capsule, stainless steel 1.4404 (AISI 316L)
Connection	Stainless steel 1.4404 (AISI 316L)
Window	Instrument glass
Ambient temperature	-20°C ... 60°C

Nominal size		Ø 100 mm			
Process connection		G 1/2			
Connection		bottom	rear	rear with front ring for panel-mount	rear with 3 lugs for wall-mount
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MCX5-D30.N**	MCX5-F30.N**	MCX5-B30.N**	MCX5-E30.N**
Pressure range	Price in EUR				
	-16 ... 0 mbar	11130608	11230591		50
Price in EUR	-25 ... 0 mbar	10272787	11105839	11105378	51
	-40 ... 0 mbar	10272789		11102122	52
Price in EUR	-6 ... 10 mbar	10272799	10357683		61
	-10 ... 16 mbar	10272801		10272712	62
Price in EUR	-16 ... 25 mbar	10272804			63
	-25 ... 40 mbar	10272805	10273010		64
Price in EUR	-40 ... 60 mbar	10272806			65
	-60 ... 100 mbar	10272808	11221195		66
Price in EUR	0 ... 16 mbar	10272761		11259515	04
	0 ... 25 mbar	10272764	11105840	11105833	05
Price in EUR	0 ... 40 mbar	10272766	10273003	11105834	06
	0 ... 60 mbar	10272768	10273004	10272706	07
Price in EUR	0 ... 100 mbar	10272772	10273005	10272707	08
	0 ... 160 mbar	10272776	10273006	10272708	09
Price in EUR	0 ... 250 mbar	10272778	10273007	10272709	10
	0 ... 400 mbar	10272782	11105841	11105835	11
Price in EUR	0 ... 600 mbar	10272783	11040586	11105837	12
	-60 ... 0 mbar	10272791	10273008	10272711	53
Price in EUR	-100 ... 0 mbar	10272793	10273009	11009249	54
	-160 ... 0 mbar	10272795			55
Price in EUR	-250 ... 0 mbar	10272796	11052564	11105379	56
	-400 ... 0 mbar	10272797	11159900	11162090	57
Price in EUR	-600 ... 0 mbar	11014773		11172889	58
	-100 ... 160 mbar	10272810	11123283	10272713	67
Price in EUR	-160 ... 250 mbar	10272812		10272714	68
	-250 ... 400 mbar	10272813			69
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)			
	Bottom, 3 lugs for wall-mount		MCX5-A**.N**
Process connection			
	1/2 NPT		MCX5-6*.N**
Options (additional costs)			/
	Laminated safety glass		0751
	Polymethacrylate (Plexiglas)		0752
	ATEX CE II 2 GDC-IM2c (only with option laminated safety glass)		0078
	Stainless steel pointer movement		0651
Certificates (Net-Prices)			/
	2.1 certificate		Q001
	2.2 certificate		Q002
	3.1 material certificate		Q003
	3.1 calibration certificate - 5 points increasing, 1 point decreasing		Q008
	3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing		Q009

Example ordering code	MCX5-D60.N09	◀
MCX5 nominal size 100, connection bottom 1/2 NPT, dry, 0...160 mbar		

Availability	stock item	upon manufacturing	- not available
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DRD100

Differential pressure gauge - Nominal size 100



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP33 (EN 60529)
Housing	Steel, black
	Bezel ring, removable
Measuring element	2 x Bourdon tube, Copper alloy
Connection	Copper alloy
Display	1 pointer, 1 rotating scale
Window	Instrument glass
Ambient temperature	-20°C ... 70°C

Nominal size	Ø 100 mm		-	
Process connection	2 x G 1/2		-	
Connection	bottom	bottom, wall mounting		
				
Damping liquid	unfilled	unfilled	-	-
Ordering code ►	DRD100-111.911.***	DRD100-131.911.***	-	-
Price in EUR			-	-
Pressure range	0 ... 2.5 Bar	10260734	11209978	045
	0 ... 4 Bar	10320209	10320192	055
	0 ... 6 Bar	10320211	10345057	065
	0 ... 10 Bar	10320212	11209979	075
	0 ... 16 Bar	10345045	11210000	085
Material number ►	▲	▲	▲	▲

Certificates (Net-Prices)		/
2.1 certificate		Q001
2.2 certificate		Q002
3.1 calibration certificate - 5 points increasing, 1 point decreasing		Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing		Q009

Example ordering code	DRD100-111.911.065	◀
	DRD100 Nominal size 100, bottom connection, 2 x G 1/2, dry, 0...6 bar	

Availability	stock item	upon manufacturing	- not available
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MEX3

Industrial pressure gauges stainless steel - nominal size 63 with diaphragm seal G 1/4



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4404 (AISI 316L)
	Bayonet lock
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Window	Instrument glass
Ambient temperature	-20°C ... 70°C
Filling fluid	Vaseline (FDA) -15...+150°C

Nominal size	Ø 63 mm			
Process connection / Diaphragm Connection	Connection G 1/4 / Diaphragm stainless steel 1.4404 / 1.4435 (AISI 316L)			
	bottom	rear	bottom	rear
Damping liquid	unfilled	unfilled	Glycerine	Glycerine
Ordering code	MEX3-D20.B**	MEX3-F20.B**	MEX3-D21.B**	MEX3-F21.B**
	.D042-2H02.01			
Price in EUR				** ▼
Pressure range	0 ...4 Bar		11231987	19
Ordering code	MEX3-D20.B**	MEX3-F20.B**	MEX3-D21.B**	MEX3-F21.B**
	.D043-2H02.01			
Price in EUR				** ▼
Price in EUR	0 ...6 Bar	11245337	11231988	20
Price in EUR	0 ...10 Bar		11231989	22
Price in EUR	0 ...16 Bar	11258635	11231990	24
Price in EUR	0 ...25 Bar	11234295	11231992	26
Material number ►	▲	▲	▲	▲

Options (additional costs)			/
Laminated safety glass			0751
Window polycarbonate			0753
Friction pointer adjustable			0679
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)			0078

Certificates (Net-Prices)			
2.1 certificate			Q001
2.2 certificate			Q002
3.1 material certificate			Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing			Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing			Q009

Example ordering code	MEX3-D21.B20.D043-2H02.01	◀
	MEX3 nominal size 63, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal G 1/4	
	Instrument glass	

Availability	stock item	upon manufacturing	- not available
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MEX5

Industrial pressure gauges stainless steel - nominal size 100 with diaphragm seal G 1/2



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	DIN case, bayonet
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Window	Instrument glass
Ambient temperature	-20°C ... 70°C
Filling fluid	Vaseline

Nominal size		Ø 100 mm			
Process connection / Diaphragm		Connection G 1/2 / Diaphragm stainless steel 1.4404 / 1.4435 (AISI 316L)			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code		MEX5-D30.B**	MEX5-F30.B**	MEX5-D31.B**	MEX5-F31.B**
		.DT2.2L20.0.230.01			
Price in EUR					
Pressure range	-1 ...3 Bar	11106016	11209145	11123526	11209172
	-1 ...5 Bar	11106017	11209146	11151830	11209173
	-1 ...9 Bar	11106018	11209148	11183666	11209174
	-1 ...15 Bar	11106019	11209149	11194228	11209175
	-1 ...24 Bar	11106030	11209150	11209171	11209176
	Price in EUR				
	0 ...1 Bar	11106031	11209151	11121478	11209177
	0 ...1.6 Bar	11106033	11209153	11132842	11209178
	0 ...2.5 Bar	11102312	11209154	11125691	11209179
	Price in EUR				
	0 ...4 Bar	11106034	11209155	11102938	11209180
	0 ...6 Bar	11117804	11209156	11132947	11203625
	0 ...10 Bar	11121721	11209157	11102780	11209181
	0 ...16 Bar	11106035	11209158	11122646	11209183
	0 ...25 Bar	11102265	11209159	11145344	11209184
	Price in EUR				
	0 ...40 Bar	11106036	11209170	11174446	11209185
Material number		▲	▲	▲	▲

Options (additional costs)		/
Laminated safety glass		0751
Window polycarbonate		0753
Micro adjustable pointer (P > 1.6 bar)		0678
ATEX CE II 2 GDC-IM2c (only with option laminated safety glass)		0078
Blow out disc at the back		0760
Restrictor screw		0771
Measuring element (free of oil and grease)		0764
Silicone-free with mark on dial		0794
Adjustable index pointer on dial (only without glycerin filling)		0051
Adjustable index pointer in the window		0053

Certificates (Net-Prices)		
2.1 certificate		Q001
2.2 certificate		Q002
3.1 material certificate		Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing		Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing		Q009

Example ordering code	MEX5-D31.B20.DT2-2L20.0.230.01
	MEX5 nominal size 100, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal G 1/2
	Instrument glass

Availability	stock item	upon manufacturing	- not available
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MEX3

Industrial pressure gauges stainless steel - nominal size 63 with diaphragm seal clamp DN 38



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	Bayonet lock
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Window	Polycarbonat (Makrolon®)
Ambient temperature	-20°C ... 70°C
Filling fluid	Vaseline (FDA)

Nominal size		Ø 63 mm			
Process connection / Diaphragm		Clamp DN 38 (ISO 2852) / Diaphragm stainless steel 1.4404 / 1.4435 (AISI 316L)			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code		MEX3-D20.B**	MEX3-F20.B**	MEX3-D21.B**	MEX3-F21.B**
		.DANC01.2H2A.01/0753_Q003			
Price in EUR					**▼
Pressure range	-1 ...3 Bar	11208794	11208828	11176558	11208856 76
	-1 ...5 Bar	11208795	11208829	11204416	11208857 77
	-1 ...9 Bar	11208816	11208830	11176578	11208858 79
	-1 ...15 Bar	11208817	11208831	11208851	11208859 81
	-1 ...24 Bar	11208818	11208832	11208852	11208860 82
	0 ...2.5 Bar	11208819	11208833	11208853	11208862 18
	0 ...4 Bar	11208820	11208835	11208854	11208863 19
	0 ...6 Bar	11208821	11208836	11176579	11208864 20
	0 ...10 Bar	11208822	11208837	11176580	11208865 22
	0 ...16 Bar	11208825	11208838	11176581	11208866 24
	0 ...25 Bar	11208826	11208839	11176582	11208867 26
	0 ...40 Bar	11208827	11208850	11208855	11208868 27
Material number ►		▲	▲	▲	▲

Options (additional costs)		/
Laminated safety glass		0751
Friction pointer adjustable		0679
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)		0078

Certificates (Net-Prices)		
2.1 certificate		Q001
2.2 certificate		Q002
3.1 material certificate (incl.)		Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing		Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing		Q009

Example ordering code	MEX3-D21.B20.DANC01.2H2A.01/0753_Q003	◀
	MEX3 nominal size 63, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal Clamp DN 38	
	Window polycarbonate, 3.1 material certificate	

Availability	stock item	upon manufacturing	- not available
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MEX3

Industrial pressure gauges stainless steel - nominal size 63 with diaphragm seal clamp DN 51



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.6 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	Bayonet lock
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Window	Polycarbonate (Makrolon®)
Ambient temperature	-20°C ... 70°C
Filling fluid	Vaseline (FDA)

Nominal size		Ø 63 mm			
Process connection / Diaphragm		Clamp DN 51 (ISO 2852) / Diaphragm stainless steel 1.4404 / 1.4435 (AISI 316L)			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code		MEX3-D20.B**	MEX3-F20.B**	MEX3-D21.B**	MEX3-F21.B**
		.DANC02.2H2A.01/0753_Q003			
Price in EUR					
Pressure range	-1 ... 1.5 Bar	11208891	11208911	11208928	11208938
					74
	Price in EUR				
	-1 ... 3 Bar	11208892	11208912	11176583	11208939
					76
	-1 ... 5 Bar	11208893	11208913	11208929	11208940
					77
	-1 ... 9 Bar	11208894	11208914	11176584	11208941
					79
	-1 ... 15 Bar	11208895	11208915	11208930	11208942
					81
	-1 ... 24 Bar	11208896	11208916	11208931	11208943
					82
	Price in EUR				
	0 ... 1 Bar	11208899	11208917	11208933	11208944
					15
	0 ... 1.6 Bar	11289900	11208918	11208934	11208945
					16
	0 ... 2.5 Bar	11208901	11208919	11208935	11208946
					18
	Price in EUR				
	0 ... 4 Bar	11208902	11208920	11208936	11208947
					19
	0 ... 6 Bar	11208905	11208922	11176585	11208948
					20
	Price in EUR				
	0 ... 10 Bar	11208906	11208923	11176586	11208949
					22
	0 ... 16 Bar	11208907	11208924	11176587	11208962
					24
	0 ... 25 Bar	11208909	11208925	11176588	11208963
					26
	0 ... 40 Bar	11208910	11208927	11208937	11208964
					27
Material number		▲	▲	▲	▲

Options (additional costs)		/
Laminated safety glass		0751
Friction pointer adjustable		0679
ATEX CE II 2 GDC-IM2c (only with option laminated safety glass)		0078

Certificates (Net-Prices)		
2.1 certificate		Q001
2.2 certificate		Q002
3.1 material certificate (incl.)		Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing		Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing		Q009

Example ordering code		◀
MEX3-D21.B20.DANC02.2H2A.01/0753_Q003		
MEX3 nominal size 63, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal Clamp DN 51		
Window polycarbonate, 3.1 material certificate		

Availability	stock item	upon manufacturing	- not available
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MEX5

Industrial pressure gauges stainless steel - nominal size 100 with diaphragm seal clamp DN 38



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	DIN case, bayonet
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Window	Polycarbonate (Makrolon®)
Ambient temperature	-20°C ... 70°C
Filling fluid	Vaseline (FDA)

Nominal size		Ø 100 mm			
Process connection / Diaphragm		Clamp DN 38 (ISO 2852) / Diaphragm stainless steel 1.4404 / 1.4435 (AISI 316L)			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code		MEX5-D30.B**	MEX5-F30.B**	MEX5-D31.B**	MEX5-F31.B**
		.DANC01.2L2A.01/0753_Q003			
Price in EUR					**▼
Pressure range	-1 ... 5 Bar	11208965	11208975	11208985	11208989 77
	-1 ... 9 Bar	11208966	11208976	11176589	11208990 79
	-1 ... 15 Bar	11208967	11208977	11208986	11208991 81
	-1 ... 24 Bar	11208968	11208978	11208987	11208992 82
Price in EUR					
	0 ... 6 Bar	11208969	11208979	11176590	11208993 20
	0 ... 10 Bar	11208970	11208981	11176591	11208996 22
	0 ... 16 Bar	11208971	11208982	11176592	11209004 24
	0 ... 25 Bar	11208973	11208983	11176593	11209009 26
Price in EUR					
	0 ... 40 Bar	11208974	11208984	11208988	11209013 27
		▲	▲	▲	▲
Material number ►					

Options (additional costs)		/
	Laminated safety glass	0751
	Micro adjustable pointer (P > 1.6 bar)	0678
	ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	0078
	Blow out disc at the back	0760
	Restrictor screw	0771
	Measuring element (free of oil and grease)	0764
	Silicone-free with mark on dial	0794
	Adjustable index pointer on dial (only without glycerin filling)	0051
	Adjustable index pointer in the window	0053

Certificates (Net-Prices)		
	2.1 certificate	Q001
	2.2 certificate	Q002
	3.1 material certificate (incl.)	Q003
	3.1 calibration certificate - 5 points increasing, 1 point decreasing	Q008
	3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing	Q009

Example ordering code		◀
	MEX5-D31.B20.DANC01.2L2A.01/0753_Q003	
	MEX5 nominal size 100, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal Clamp DN 38	
	Window polycarbonate, 3.1 material certificate	

Availability	stock item	upon manufacturing	- not available
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MEX5

Industrial pressure gauges stainless steel - nominal size 100 with diaphragm seal clamp DN 51



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	DIN case, bayonet
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Window	Polycarbonate (Makrolon®)
Ambient temperature	-20°C ... 70°C
Filling fluid	Vaseline (FDA)

Nominal size		Ø 100 mm			
Process connection / Diaphragm		Clamp DN 51 (ISO 2852) / Diaphragm stainless steel 1.4404 / 1.4435 (AISI 316L)			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code		MEX5-D30.B**	MEX5-F30.B**	MEX5-D31.B**	MEX5-F31.B**
Price in EUR		DANC02.2L2A.01/0753_Q003			
Pressure range					
-1 ...3 Bar		11209016	11209029	11176594	11209081
-1 ...5 Bar		11209017	11209050	11209062	11209119
-1 ...9 Bar		11209018	11209051	11176595	11209130
-1 ...15 Bar		11209019	11209052	11209063	11209131
-1 ...24 Bar		11209020	11209053	11209064	11209132
Price in EUR					
0 ...1.6 Bar		11209021	11209054	11209066	11209134
0 ...2.5 Bar		11209022	11209055	11209067	11209135
Price in EUR					
0 ...4 Bar		11209023	11209056	11209068	11209136
0 ...6 Bar		11209024	11209057	11176556	11209137
0 ...10 Bar		11209025	11209058	11176596	11209139
0 ...16 Bar		11209026	11209059	11176597	11209141
0 ...25 Bar		11209027	11209060	11176598	11209142
Price in EUR					
0 ...40 Bar		11209028	11209061	11209069	11209143
Material number		▲	▲	▲	▲

Options (additional costs)			/
Laminated safety glass			0751
Micro adjustable pointer (P > 1.6 bar)			0678
ATEX CE II 2 GDC-IM2c (only with option laminated safety glass)			0078
Blow out disc at the back			0760
Restrictor screw			0771
Measuring element (free of oil and grease)			0764
Silicone-free with mark on dial			0794
Adjustable index pointer on dial (only without glycerin filling)			0051
Adjustable index pointer in the window			0053

Certificates (Net-Prices)		
2.1 certificate		Q001
2.2 certificate		Q002
3.1 material certificate (incl.)		Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing		Q008
3.1 calibration certificate (EN 837-1) - 5 points increasing, 5 points decreasing		Q009

Example ordering code		MEX5-D31.B20.DANC02.2L2A.01/0753_Q003
		MEX5 nominal size 100, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal Clamp DN 51
		Window polycarbonate, 3.1 material certificate

Availability	stock item	upon manufacturing	- not available
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A solution for every application.
Choose Bourdon® pressure gauges.

In addition to the standard products in this catalog, we manufacture a wide range of contact pressure gauges, diaphragm pressure gauges, differential pressure gauges and test pressure gauges. Don't hesitate to contact us. We will be pleased to provide you with the appropriate offer.

Accessories for pressure gauges - valves, cocks and manifolds

- Please use the corresponding material number and / or
► Please use the ordering code

ARP - valve: Instrument connection: female G 1/2 - process connection male G 1/2



Material	Brass	-	Steel	Stainless steel
Maximum pressure in bar	250	-	400	400
Ordering code ►	ARP-L03L	-	ARP-A03L	ARP-X03L
Price in EUR				
	10265166	-	10265165	10265175

ARP - valve: Instrument connection: female 1/2 NPT - process connection male 1/2 NPT



Material	-	-	-	Stainless steel
Maximum pressure in bar	-	-	-	400
	-	-	-	ARP-X06N
Price in EUR	-	-	-	
	-	-	-	10265178

ARD - cock: Instrument connection: female G 1/2 - process connection male G 1/2



Material	Brass	-	-	-
Maximum pressure in bar	25	-	-	-
	ARD-L03L	-	-	-
Price in EUR		-	-	-
	10265038	-	-	-

AMFD - manifold stainless steel: Instrument connection 1/2 NPT, process connection: Female 1/2 NPT



Material	-	Stainless steel	Stainless steel	Stainless steel
Ways	-	2	3	5
	-	AMFD.02.N	AMFD.03.N	AMFD.05.N
Price in EUR	-			
	-	10264916	10264920	10264923

Material number ►

▲	▲	▲	▲
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Example ordering code **ARP-L03L** ◀

Instrument connection: female G 1/2 - process connection male G 1/2
Material brass

Availability

stock item	upon manufacturing	- not available
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Valves for pressure gauges

- Please use the corresponding material number and / or
► Please use the ordering code

G 1/2 male / adjusting nut, DIN 16270 - AG

	Material	Brass	MS complet	Steel	Stainless steel
	Ordering code ►	N 05008.0000	N 05008.9004	N 05008.0002	N 05008.0003
	Price in EUR	10325849	10347582	10325851	10325852

G 1/2 male / adjusting nut with testing stud M20 x 1.5, DIN 16271 - AG

	Material	Brass	MS complet	Steel	Stainless steel
	Ordering code ►	N 05009.0000	N 05009.9001	N 05009.0002	N 05009.0003
	Price in EUR	10296195	10347590	10296196	10325733

G 1/2 male / adjusting nut with testing stud M20 x 1.5, DIN 16272 - AG

	Material	Brass	MS (DVGW)	Steel	Stainless steel
	Ordering code ►	N 05010.0000	N 05010.9078	N 05010.0002	N 05010.0003
	Price in EUR	10325758	10347593	10296197	10325768

G 1/2 male / adjusting nut, DIN 16270 - AG (free of oil and grease)

	Material	Brass	-	-	Stainless steel
	Ordering code ►	N 05008.9000	-	-	N 05008.9003
	Price in EUR	10325853	-	-	10325861

G 1/2 male / adjusting nut, DIN 16270 - AG (DVGW approval)

	Material	Brass	-	-	Stainless steel
	Ordering code ►	N 05008.9100	-	-	N 05008.9101
	Price in EUR	10347584	-	-	10347585

Material number ►	▲	▲	▲	▲
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Example ordering code	N 05009.0000	◀
	G 1/2 male / adjusting nut with testing stud M20 x 1.5, DIN 16271 - AG	
	Material brass	

Availability	stock item	upon manufacturing	- not available
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Cocks for pressure gauges

- Please use the corresponding material number and / or
► Please use the ordering code

G 1/2 male / adjusting nut, DIN 16262 - AG

	Material	Brass	-	Steel	Stainless steel
	Ordering code ►	N 05006.0000	-	N 05006.0002	N 05006.0003
	Price in EUR	10296192	-	10325840	10296193

G 1/2 female / female, DIN 16261 - AG

	Material	Brass	-	Steel	Stainless steel
	Ordering code ►	N 05003.0000	-	-	-
	Price in EUR	10296189	-	-	-

G 1/2 male / female, DIN 16261 - BG

	Material	Brass	-	-	-
	Ordering code ►	N 05004.0000	-	-	-
	Price in EUR	10296190	-	-	-

G 1/2 male / adjusting nut with testing stud M20 x 1.5, DIN 16283 - AG

	Material	Brass	-	-	Stainless steel
	Ordering code ►	N 05007.0000	-	-	N 05007.9003
	Price in EUR	10296194	-	-	10347581

G 1/2 female / female with push button actuation

	Material	-	MS nickel-plated	-	-
	Ordering code ►	-	D 11727.0000	-	-
	Price in EUR	-	10265944	-	-

G 1/2 female / union nut

	Material	Brass	-	-	-
	Ordering code ►	D 11724.0000	-	-	-
	Price in EUR	10324554	-	-	-

Material number ►	▲	▲	▲	▲
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Example ordering code N 05007.0000 ◀

G 1/2 male / adjusting nut with testing stud M20 x 1.5, DIN 16283 - AG

Material brass

Availability	stock item	upon manufacturing	- not available
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Accessories for pressure gauges - siphons and pulsation dampeners

► Please use the corresponding material number and / or
► Please use the ordering code

ASIP - Siphon: instrument connection: female G 1/2 - process connection: male G 1/2

	Material	-	-	Steel DIN 16282	Stainless Steel Schedule 4
	Ordering code ►	-	-	ASIP-1F730A	ASIP-2F5304
	Price in EUR	-	-	10265188	11012634

ASIP - Siphon: instrument connection: female 1/2 NPT - process connection: male 1/2 NPT

	Material	-	-	Steel DIN 16282	Stainless Steel Schedule 4
	Ordering code ►	-	-	ASIP-10N60A	ASIP-20N604
	Price in EUR	-	-	10265186	10265202

ARA pulsation dampener: instrument connection: female G 1/2 - process connection: male G 1/2

	Material	Brass	-	-	Stainless steel
	Maximum pressure in bar	250	-	-	400
	Price in EUR	ARA-10.L30L	-	-	ARA-10.D30L
		10265034	-	-	10265029

ARA pulsation dampener: instrument connection: female 1/2 NPT - process connection: male 1/2 NPT

	Material	-	-	-	Stainless steel
	Maximum pressure in bar	-	-	-	400
	Price in EUR	-	-	-	ARA-10.D60N
		-	-	-	10265031

Material number ►	▲	▲	▲	▲
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Example ordering code	ASIP-1F730A	◀
Siphon: instrument connection: female G 1/2 - process connection: male G 1/2, Steel DIN 16282		

Availability	stock item	upon manufacturing	- not available
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Siphons

► Please use the corresponding material number and / or
► Please use the ordering code

G 1/2 male / adjusting nut G 1/2, U-type siphons DIN 16282, form A

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	N 05013.0000	N 05013.0001
	Price in EUR	-	-	10296202	10296203

Welding end / adjusting nut G 1/2, U type siphons DIN 16282, form B

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	N 05013.0002	N 05013.0003
	Price in EUR	-	-	10296204	10296205

G 1/2 male / adjusting nut G 1/2, coil type siphons DIN 16282, form C

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	N 05014.0000	N 05014.0001
	Price in EUR	-	-	10325854	10296206

Welding end / adjusting nut G 1/2, coil type siphons DIN 16282, form D

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	N 05014.0002	N 05014.0003
	Price in EUR	-	-	10296207	10296208

G 1/2 male/male, U-type siphons, commercial

	Material	-	-	Steel	-
	Ordering code ►	-	-	J 66867.0001	-
	Price in EUR	-	-	10325437	-

G 1/2 male / adjusting nut G 1/2, U-type siphons, commercial

	Material	-	-	Steel	-
	Ordering code ►	-	-	J 66868.0001	-
	Price in EUR	-	-	10271366	-

Welding end / adjusting nut G 1/2, U type siphons, commercial

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	J 89996.0206	J 89996.0207
	Price in EUR	-	-	10347220	10347221

Material number ►	▲	▲	▲	▲
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Example ordering code N 05013.0003
Welding end / adjusting nut G 1/2, U type siphons DIN 16282, form B, stainless steel

Availability	stock item	upon manufacturing	- not available
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Accessories for pressure gauges: Glycerin, Gaskets, Mounting Bracket

► Please use the corresponding material number and / or
► Please use the ordering code

Glycerine



Material	BH1		BH1	
Ordering code ►	Container 1 liter		Container 5 liters	
Price in EUR	11007081		11006770	
	-		-	

Gasket Alu



Material	Aluminium		Aluminium	
Lot size	100		100	
Price in EUR	Alu gasket for G 1/4		Alu gasket for G 1/2	
	10305201		10305228	
	-		-	

Mounting bracket for MIT3 and MMD3 back for panel-mount



Material	Bracket for MIT3-F...	Bracket for MMD3-F...		
Price in EUR	11005872	11167064	-	-

Material number ►

▲	▲	▲	▲
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Example ordering code Container 1 liter
Glycerin, BH1

Availability

stock item

upon manufacturing

- not available

Pipe connection pieces and seals

- Please use the corresponding material number and / or
► Please use the ordering code

Welding end / adjusting nut G 1/2, straight pipe

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	J 89996.0109	J 89996.0120
	Price in EUR	-	-	10347217	10325460

Welding end / adjusting nut G 1/2, elbow pipe 90°

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	J 89996.0088	J 89996.0089
	Price in EUR	-	-	10325457	10325458

Gasket for G 1/2 / M20 x 1.5, dimensions 17.5 x 6.2 x 2

	Material	Copper	PTFE	Stainless steel	Novapress
	Ordering code ►	N 01890.0102	N 01890.0106	N 01890.0108	N 01890.0110
	Price in EUR	10329832	10310391	10329837	10329840

Gasket for G 1/4 A / M12 x 1.5, dimensions 9.5 x 5.2 x 1.5

	Material	Copper	PTFE	Stainless steel	Novapress
	Ordering code ►	N 01890.0002	N 01890.0006	N 01890.0008	N 01890.0010
	Price in EUR	10325777	10329829	10310390	10329830

Material number ►	▲	▲	▲	▲
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Example ordering code	N 01890.0110	◀
Gasket for G 1/2 / M20 x 1.5, material Novapress		

Availability	stock item	upon manufacturing	- not available
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Accessories for pressure gauges - connection pieces

► Please use the corresponding material number and / or
► Please use the ordering code

ARIN - instrument connection: female G 1/4, process connection: male M10x1

	Material	Brass	-	-	Stainless steel
	Maximum pressure in bar	400	-	-	400
	Ordering code ►	ARIN-L70H	-	-	ARIN-270H
	Price in EUR	10265157	-	-	10265098

ARIN - instrument connection: female G 1/4, process connection: male G 1/8

	Material	Brass	-	-	Stainless steel
	Maximum pressure in bar	400	-	-	400
	Ordering code ►	ARIN-L10H	-	-	ARIN-210H
	Price in EUR	10265139	-	-	10265048

ARIN - instrument connection: female G 1/4, process connection: male 1/4 NPT

	Material	Brass	-	-	Stainless steel
	Maximum pressure in bar	600	-	-	1000
	Ordering code ►	ARIN-L50H	-	-	ARIN-250H
	Price in EUR	10265153	-	-	10265075

ARIN - instrument connection: female G 1/4, process connection: male G 1/2

	Material	Brass	-	-	Stainless steel
	Maximum pressure in bar	600	-	-	1000
	Ordering code ►	ARIN-L30H	-	-	ARIN-230H
	Price in EUR	10265146	-	-	10265060

ARIN - instrument connection: female G 1/2, process connection: male M10x1

	Material	Brass	-	-	-
	Maximum pressure in bar	400	-	-	-
	Ordering code ►	ARIN-L70L	-	-	-
	Price in EUR	10265158	-	-	-

ARIN - instrument connection: female G 1/2, process connection: male G 1/4

	Material	Brass	-	-	Stainless steel
	Maximum pressure in bar	600	-	-	1000
	Ordering code ►	ARIN-L20L	-	-	ARIN-220L
	Price in EUR	10265142	-	-	10265054

ARIN - instrument connection: female G 1/2, process connection: male 1/4 NPT

	Material	Brass	-	-	Stainless steel
	Maximum pressure in bar	600	-	-	1000
	Ordering code ►	ARIN-L50L	-	-	ARIN-250L
	Price in EUR	10265154	-	-	10265076

ARIN - instrument connection: female G 1/2, process connection: male G 3/8

	Material	Brass	-	-	Stainless steel
	Maximum pressure in bar	600	-	-	1000
	Ordering code ►	ARIN-LJ0L	-	-	ARIN-2J0L
	Price in EUR	10265160	-	-	10265108

Material number ►

▲	▲	▲	▲
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Availability

stock item

upon manufacturing

- not available

Accessories for pressure gauges - connection pieces and stub connectors

► Please use the corresponding material number and / or
► Please use the ordering code

ARIN - instrument connection: female G 1/4, process connection: male G 3/8



Material	-	-	-	Stainless steel
Maximum pressure in bar	-	-	-	1000
Ordering code ►	-	-	-	ARIN-2J0H
Price in EUR	-	-	-	10265107

ARIN - instrument connection: female G 1/2, process connection: male 1/2 NPT



Material	Brass	-	-	Stainless steel
Maximum pressure in bar	600	-	-	1000
	ARIN-L60L	-	-	ARIN-260L
Price in EUR	10265156	-	-	10265089

ARIN - instrument connection: female 1/4 NPT, process connection: male 1/2 NPT



Material	-	-	-	Stainless steel
Maximum pressure in bar	-	-	-	1000
	-	-	-	ARIN-2608
Price in EUR	-	-	-	10265087

ARIN - instrument connection: female 1/2 NPT, process connection: male G 1/2



Material	-	-	-	Stainless steel
Maximum pressure in bar	-	-	-	1000
	-	-	-	ARIN-230N
Price in EUR	-	-	-	10265062

AEKT - stub connector - instrument connection: female G 1/4, process connection: 8 mm



Material	Brass	-	-	Stainless steel
	AEKT-LH	-	-	AEKT-2H
Price in EUR	10264031	-	-	10264021

AEKT - stub connector - instrument connection: female G 1/2, process connection: 11.5 mm



Material	-	-	-	Stainless steel
	-	-	-	AEKT-2L
Price in EUR	-	-	-	10264024

Material number ►	▲	▲	▲	▲
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Availability	stock item	upon manufacturing	- not available
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Snubbers and connection pieces

► Please use the corresponding material number and / or
► Please use the ordering code

Gauge snubbers G 1/2 female, damping adjustable from outside

	Material	Brass	-	Steel	Stainless steel
	Ordering code ►	D 07630.0001	-	D 07630.0002	D 07630.0003
	Price in EUR	10265931	-	10265932	10265933

Connection stud for adjusting nut G 1/2, welding end G 1/2 left, DIN 16282

	Material	-	-	Steel	Stainless steel
		-	-	N 05015.0000	N 05015.0001
	Price in EUR	-	-	10325685	10325686

Adjusting nut G 1/2 left, right

	Material	Brass	-	Steel	Stainless steel
		N 05017.0003	-	N 05017.0004	N 05017.0005
	Price in EUR	10329883	-	10329914	10329915

Adaptor G 1/2 male to G 1/4 female

	Material	Brass	-	Steel	Stainless steel
		J 65908.0001	-	J 65908.0002	J 65908.0003
	Price in EUR	10310132	-	10354800	10310133

Adaptor G 1/4 male to G 1/2 female

	Material	-	-	-	Stainless steel
		-	-	-	J 65902.0243
	Price in EUR	-	-	-	10329771

Connection piece stud G 1/2 to stud G 1/2

	Material	Brass	-	Steel	Stainless steel
		J 65887.0121	-	J 65887.0122	J 65887.0123
	Price in EUR	10329763	-	10325361	10325368

Connection piece female thread G 1/2 to female thread G 1/2

	Material	Brass	-	Steel	Stainless steel
		J 65922.0121	-	J 65922.0122	J 65922.0123
	Price in EUR	10325335	-	10325336	10325337

Fitting connection G 1/4 for pipe connection D = 6 mm

	Material	Brass	-	Steel	Stainless steel
		N 05018.0000	-	N 05018.0001	N 05018.0002
	Price in EUR	10296209	-	10325917	10296210

Fitting connection G 1/2 for pipe connection D = 12 mm

	Material	Brass	-	Steel	Stainless steel
		N 05018.0003	-	N 05018.0004	N 05018.0005
	Price in EUR	10325918	-	10296211	10296212

Fitting thread: stud G 1/2 to pigot nut G 1/2

	Material	Brass	-	Steel	Stainless steel
		A 06443.0010	-	A 06443.0011	A 06443.0012
	Price in EUR	10263832	-	10324136	10324137

Material number ►	▲	▲	▲	▲
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Availability	stock item	upon manufacturing	- not available
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Threaded adaptors and supports

- Please use the corresponding material number and / or
► Please use the ordering code

Threaded connection

Compression fitting female thread G 1/2 for tube diameter 6 mm

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	A 07250.0008	A 07250.0009
	Price in EUR	-	-	10329630	10346757

Compression fitting female thread G 1/2 for tube diameter 8 mm

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	A 07250.0010	A 07250.0011
	Price in EUR	-	-	10346758	10346759

Compression fitting female thread G 1/2 for tube diameter 10 mm

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	A 07250.0012	A 07250.0013
	Price in EUR	-	-	10346760	10329638

Compression fitting female thread G 1/2 for tube diameter 12 mm

	Material	-	-	Steel	Stainless steel
	Ordering code ►	-	-	A 07250.0014	A 07250.0015
	Price in EUR	-	-	10329639	10329640

Support for measuring instrument

Support, color black for wall mount of pressure measuring devices

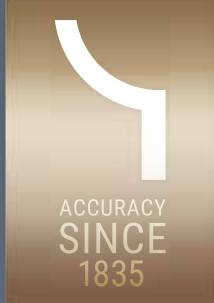
	Extension	60 mm	100 mm (4 ")	160 mm	-
	Ordering code ►	N 05011.0000	N 05011.0002	N 05011.0004	-
	Price in EUR	10296198	10296199	10329838	-

Intermediate piece for mounting support G 1/2 male/female

	Material	Brass	-	Steel	Stainless steel
	Ordering code ►	N 05012.0000	-	N 05012.0001	N 05012.0002
	Price in EUR	10296201	-	10329841	10310395

Material number ►	▲	▲	▲	▲
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Availability	stock item	upon manufacturing	- not available
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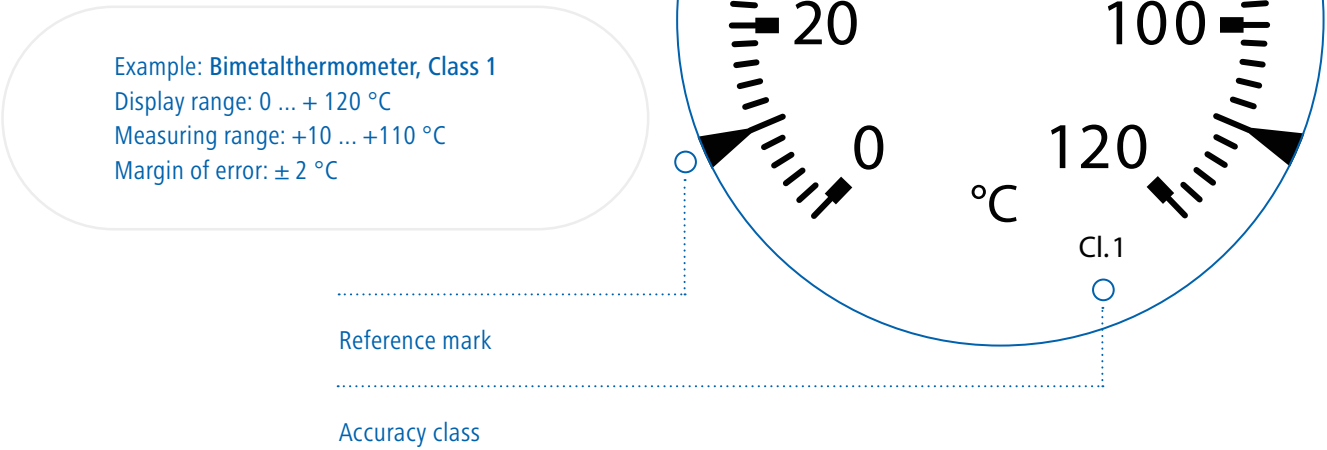


Bimetallic or gas thermometers –
the right product for every application.

Can be used from -200 to $+800$ °C, unfilled or with damping fluid, directly mounted or with remote line – our thermometers are reliable and easy to use.

Accuracy specifications for thermometers.

The accuracy of thermometers is determined by the specification of the class in accordance with EN 13190. The maximum permissible measurement error within the measuring range can be seen from the following table. The measuring range is the part of the display range that is located between the triangular boundary marks on the dial.



Measuring accuracy of thermometers in accordance with EN 13190							
Display range in °C			Measuring range °C			Margins of error $\pm\text{ °C}$	
						Class 1	Class 2
− 20	bis	+ 40	− 10	bis	+ 30	1	2
− 20	bis	+ 60	− 10	bis	+ 50	1	2
− 20	bis	+ 120	− 10	bis	+ 110	2	4
− 30	bis	+ 30	− 20	bis	+ 20	1	2
− 30	bis	+ 50	− 20	bis	+ 40	1	2
− 30	bis	+ 70	− 20	bis	+ 60	1	2
− 40	bis	+ 40	− 30	bis	+ 30	1	2
− 40	bis	+ 60	− 30	bis	+ 50	1	2
− 100	bis	+ 60	− 80	bis	+ 40	2	4
0	bis	60	10	bis	50	1	2
0	bis	80	10	bis	70	1	2
0	bis	100	10	bis	90	1	2
0	bis	120	10	bis	110	2	4
0	bis	160	20	bis	140	2	4
0	bis	200	20	bis	180	2	4
0	bis	250	30	bis	220	2,5	5
0	bis	300	30	bis	270	5	10
0	bis	400	50	bis	350	5	10
0	bis	500	50	bis	450	5	10
0	bis	600	100	bis	500	10	15
0	bis	700	100	bis	600	10	15
50	bis	650	150	bis	550	10	15
100	bis	700	200	bis	600	10	15

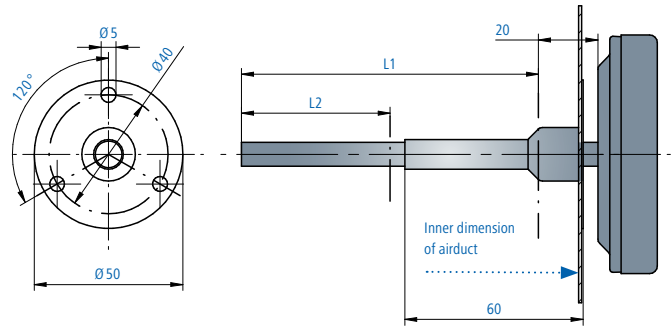
Installation example for thermometer with insulation.

Installation in airducts

Installation sleeves type ZTH for installation in airducts.

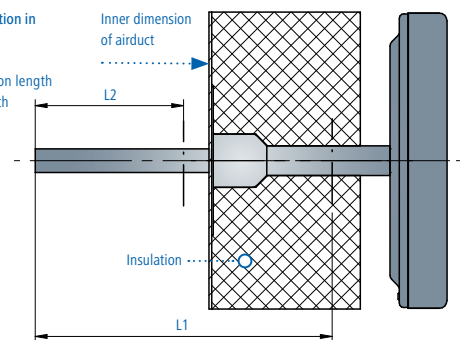
Recommendation: Sensor tip approx. in the middle of the tube but insertion depth min. 50 mm (10 mm for type TBH).

Example: Article 10271371 for $\varnothing$ hole 22+5 mm



Mounting example for installation in airducts with insulation

L1 : Immersion tube installation length
L2 : Minimum immersion depth 50 mm

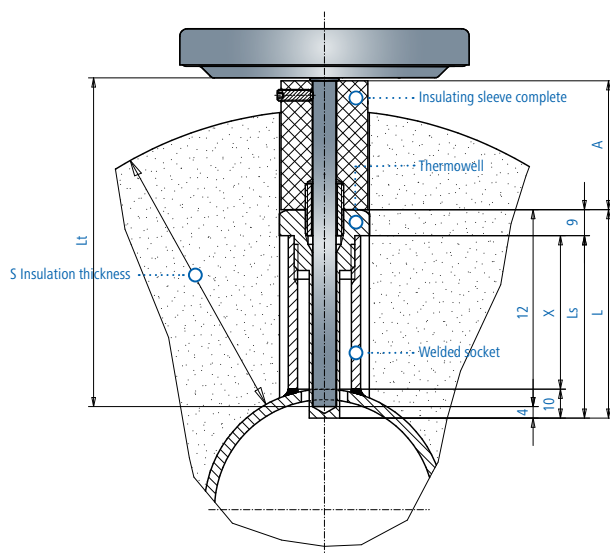


Installation of thermometers in cooling applications

The insulating sleeve interrupts the cold bridge and thus prevents the formation of condensation in the insulation area. Two different versions are used, depending on the tube diameter.

Version 1:

TBH for pipe diameter < 2" with screw-in thermowell.
Ls = 48 mm or 68 mm Insulating sleeve length A = 25 mm

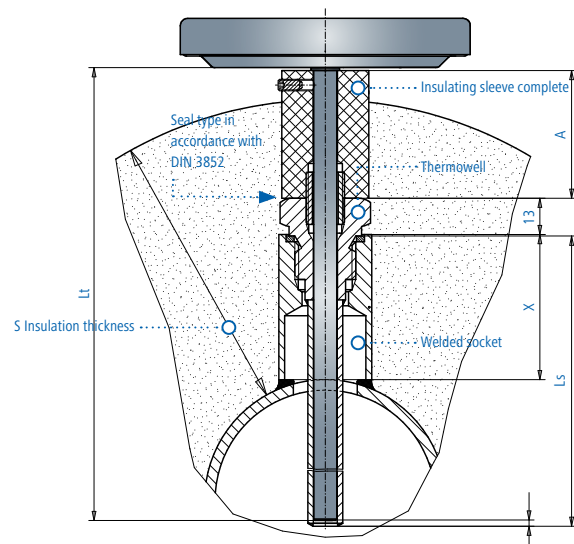


Version 2:

TB for pipe diameter > 2" with screw-in thermowell.
Ls = 60 mm, 100 mm or 160 mm Insulating sleeve length
A = 44 mm, 67 mm or 95 mm

Example of assembly of parts for TB with a length of L = 100 mm with screw-in thermowell:

1. Thermowell	Ls	60 mm
2. Insulating sleeve	A	44 mm
3. Thermometer	Lt	120 mm



TBH 80

Bimetalthermometer for tube size < 2"

- Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP50 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-20°C ... 250°C

Immersion tube diameter	Ø 8 mm
Connection	Plain stem without thread for direct mounting



Nominal size		Ø 80 mm			
Immersion tube, material		Brass			-
Immersion tube length		48 mm	68 mm	88 mm	-
Immersion tube outlet		rear	rear	rear	
					
Ordering code ►		TBH080-212.151.***	TBH080-212.152.***	TBH080-212.153.***	- ***▼
Price in EUR					
Temperature range	-10 ... 30 °C	-	10321300	11196176	53T
	0 ... 40 °C	11196171	10260905	10321226	10T
Price in EUR					
	-20 ... 40 °C	10321251	10321301	10321225	52T
	-20 ... 60 °C	11185773	10321184	11196178	54T
Price in EUR					
	0 ... 60 °C	10260903	10321302	10321220	11T
	0 ... 80 °C	10321276	10321199	11079710	27T
	0 ... 100 °C	10321258	10321303	10321221	12T
	0 ... 120 °C	10260904	10321304	10321222	20T
Price in EUR					
	0 ... 250 °C	-	-	-	14T
Material number ►		▲	▲	▲	▲

Thermowell for TBH thermometer

Immersion tube length	48 mm	68 mm	88 mm	-
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Thermowell with threaded connection *



		G 1/2 male thread		
Price in EUR		T 09143.0000	T 09143.0001	T 09143.0002
Brass		10298554	10298555	10326389
Price in EUR		T 09143.0005	T 09143.0006	T 09143.0007
Stainless steel		10326421	10298556	10326422

Thermowell with welded connection *



Price in EUR		T 09144.0000	T 09144.0001	T 09144.0002
Steel		10326459	10326460	10326461
Price in EUR		T 09144.0005	T 09144.0006	T 09144.0007
Stainless steel		10298557	10326462	10326500

Thermowell with welded connection complet with weld piece



Price in EUR		T 09310.0000	T 09310.0001	T 09310.0002
Steel		10326753	10326754	10326795
Price in EUR		T 09310.0005	T 09310.0006	T 09310.0007
Stainless steel		10326796	10326797	10326798

Material number ►	▲	▲	▲	▲
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* Welding sockets not included

Example ordering code	TBH080-212.153.12T
TBH080 Bimetalthermometer nominal size 80, immersion tube outlet center back, tube length 88 mm, material brass	
Temperature range 0...100°C	
Availability	stock item upon manufacturing - not available

TBH 100

Bimetalthermometer for tube size < 2"

► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP50 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-20°C ... 250°C

Immersion tube diameter	Ø 8 mm
Connection	Plain stem without thread for direct mounting



Nominal size	Ø 100 mm			-
Immersion tube, material	Brass			-
Immersion tube length	48 mm	68 mm	88 mm	-
Immersion tube outlet	rear	rear	rear	
Ordering code ►	TBH100-212.151.***	TBH100-212.152.***	TBH100-212.153.***	***▼
Price in EUR				
Temperature range	-10 ... 30 °C	10321205	10321272	53T
	0 ... 40 °C	10321228	10321274	10T
Price in EUR				
	-20 ... 40 °C	10321253	10260910	52T
	-20 ... 60 °C	11170915	10260914	54T
Price in EUR				
	0 ... 60 °C	10260908	10260911	11T
	0 ... 80 °C	10321286	10321215	27T
	0 ... 100 °C	10321260	10260912	12T
	0 ... 120 °C	10260909	10260913	20T
Price in EUR				
	0 ... 250 °C	-	-	14T
Material number ►	▲	▲	▲	▲

Thermowell for TBH thermometer

Immersion tube length	48 mm	68 mm	88 mm	-
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Thermowell with threaded connection *



	G 1/2 male thread			
Price in EUR	T 09143.0000	T 09143.0001	T 09143.0002	-
Brass	10298554	10298555	10326389	-
Price in EUR	T 09143.0005	T 09143.0006	T 09143.0007	-
Stainless steel	10326421	10298556	10326422	-

Thermowell with welded connection *



Price in EUR	T 09144.0000	T 09144.0001	T 09144.0002	-
Steel	10326459	10326460	10326461	-
Price in EUR	T 09144.0005	T 09144.0006	T 09144.0007	-
Stainless steel	10298557	10326462	10326500	-

Thermowell with welded connection complet with weld piece



Price in EUR	T 09310.0000	T 09310.0001	T 09310.0002	-
Steel	10326753	10326754	10326795	-
Price in EUR	T 09310.0005	T 09310.0006	T 09310.0007	-
Stainless steel	10326796	10326797	10326798	-

Material number ►	▲	▲	▲	▲
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Example ordering code TBH100-212.153.12T

TBH100 Bimetalthermometer nominal size 100, immersion tube outlet center back, tube length 88 mm, material brass
Temperature range 0...100°C

Availability	stock item	upon manufacturing	- not available
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TB 080

Bimetalthermometer, brass immersion tube



- Please use the corresponding material number and / or
- Please use the ordering code

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP50 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-20°C ... 250°C

Immersion tube diameter	Ø 8 mm
Connection	Plain stem without thread for direct mounting

Nominal size		Ø 80 mm			
Immersion tube, material		Brass			
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm
Immersion tube outlet		rear	rear	rear	rear
Ordering code ►		TB080-212.152.***	TB080-212.154.***	TB080-212.156.***	TB080-212.157.***
Price in EUR					
Temperature range	-10 30 °C	10320557	11089996	-	-
	-20 40 °C	10320505	10320563	10320611	10320516
	-20 ...60 °C	10320558	10320593	11196040	11039874
Price in EUR					
	0 ...40 °C	10320521	10320603	-	-
	0 ...60 °C	10320506	10320564	10320612	10320517
	0 ...80 °C	10320522	10320572	11053378	10318879
	0 ...100 °C	10320507	10320565	10320623	10320518
	0 ...120 °C	10320508	10260845	10320624	10320525
	0 ...160 °C	10320509	10320570	10320625	10320526
Price in EUR					
	0 ...200 °C	10320511	11008697	11196019	11176386
	0 ...250 °C	10320510	10320571	10320626	10320527
Material number ►		▲	▲	▲	▲

Thermowell for TB080 thermometer

Immersion tube length	100 mm (4 ")	160 mm	250 mm	400 mm
Thermowell with fixing screw	G 1/2			
Price in EUR	T 09143.0101	T 09143.0102	-	-
	Brass	10347699	10347700	-

Thermowell with threaded connection with sliding connection

G 1/2 male thread				
Price in EUR	T 08410.0101	T 08410.0102	T 08410.0103	T 08410.0104
	Brass	10298534	10330164	10326329
Price in EUR	T 08410.0201	T 08410.0202	T 08410.0203	T 08410.0204
	Steel	10330166	10326376	10326377
Price in EUR	T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
	Stainless steel 1.4404 / 1.4571	10298535	10298536	10326450

Thermowell with welded connection with sliding connection

Price in EUR	T 08416.0101	T 08416.0102	T 08416.0103	T 08416.0104
	Steel	10330190	10326602	10330191
Price in EUR	T 08416.0201	T 08416.0202	T 08416.0203	T 08416.0204
	Stainless steel 1.4404 / 1.4571	10326637	10298538	10326638

Material number ►	▲	▲	▲	▲
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Thermowells and accessories see page 79

Example ordering code	TB080-212.156.20T
TB Bimetalthermometer nominal size 80, immersion tube outlet center back, tube length 250 mm, material brass	
Immersion tube diameter 8 mm, temperatur range 0...120°C	
Availability	stock item
	upon manufacturing
	- not available

TB 100

Bimetalthermometer, brass immersion tube

► Please use the corresponding material number and / or
► Please use the ordering code



Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP50 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-20°C ... 250°C

Immersion tube diameter	Ø 8 mm
Connection	Plain stem without thread for direct mounting

Nominal size		Ø 100 mm			
Immersion tube, material		Brass			
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm
Immersion tube outlet		rear	rear	rear	rear
Ordering code ►		TB100-212.152.***	TB100-212.154.***	TB100-212.156.***	TB100-212.157.***
Price in EUR					
Temperature range	-10 30 °C	10320933	10320935	-	53T
	-20 40 °C	10320718	10320810	10320708	52T
	-20 ...60 °C	10320907	10320800	10260866	54T
	-30 ...30 °C	10320716	10320808	10320697	61T
	-30 ...70 °C	10320717	10320809	10345731	51T
Price in EUR					
	0 ...40 °C	10320847	10320848	-	10T
	0 ...60 °C	10320739	10320811	10260852	11T
	0 ...80 °C	10320949	10320936	10320824	27T
	0 ...100 °C	10320740	10320812	10260853	12T
	0 ...120 °C	10320741	10260851	10320709	20T
	0 ...160 °C	10320742	10320655	10320719	13T
Price in EUR					
	0 ...200 °C	10320891	10320839	10320857	22T
	0 ...250 °C	10320743	10320656	10320720	14T
Material number ►		▲	▲	▲	▲

Thermowell for TB100 thermometer

Immersion tube length	100 mm (4 ")	160 mm	250 mm	400 mm
Thermowell with fixing screw	G 1/2 male thread			
Ordering code ►	T 09143.0101	T 09143.0102	-	-
Price in EUR				
Brass	10347699	10347700	-	-

Thermowell with threaded connection with sliding connection

		G 1/2 male thread			
Price in EUR		T 08410.0101	T 08410.0102	T 08410.0103	T 08410.0104
Brass		10298534	10330164	10326329	10326330
		T 08410.0201	T 08410.0202	T 08410.0203	-
Steel		10330166	10326376	10326377	-
		T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
Price in EUR					
Stainless steel 1.4404 / 1.4571		10298535	10298536	10326450	10298537

Thermowell with welded connection with sliding connection

		T 08416.0101	T 08416.0102	T 08416.0103	T 08416.0104
Price in EUR					
Steel		10330190	10326602	10330191	10326604
		T 08416.0201	T 08416.0202	T 08416.0203	T 08416.0204
Price in EUR					
Stainless steel 1.4404 / 1.4571		10326637	10298538	10326638	10326639
Material number ►		▲	▲	▲	▲

Thermowells and accessories see page 79

Example ordering code	TB100-212.156.20T
TB100 Bimetalthermometer nominal size 100, immersion tube outlet center back, tube length 250 mm, material brass	
Immersion tube diameter 8 mm, temperature range 0...120°C	

Availability	stock item	upon manufacturing	- not available
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TBH 080 / TBH 100

Bimetalthermometer for cooling applications for tube size < 2"



- Please use the corresponding material number and / or
- Please use the ordering code

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP33 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-20°C ... 40°C
Immersion tube diameter	Ø 8 mm
Immersion tube, material	Brass
Connection	Plain stem without thread for direct mounting

Nominal size	Ø 80 mm			
Immersion tube, material	Brass			
Immersion tube length	80 mm	100 mm (4 ")		
Immersion tube outlet	rear	rear		
				
Ordering code ►	TBH080-212.150.***	TBH080-212.150.***	-	*** ▼
Price in EUR			-	
Temperature range	-20 ... 40 °C		-	52T
Material number ►	▲	▲	▲	▲

Nominal size	Ø 100 mm			
Immersion tube, material	Brass			
Immersion tube length	80 mm	100 mm (4 ")		
Immersion tube outlet	rear	rear		
				
Ordering code ►	TBH100-212.150.***	TBH100-212.150.***	-	*** ▼
Price in EUR			-	
Temperature range	-20 ... 40 °C		-	52T
Material number ►	▲	▲	▲	▲

Thermowell for TBH thermometer

Immersion tube length	48 mm	68 mm		
Thermowell with threaded connection *	G 1/2 male thread			
	T 09143.5003	T 09143.5001	-	-
Price in EUR			-	-
Brass	10328857	10326423	-	-
	T 09143.5004	T 09143.5002	-	-
Price in EUR			-	-
Stainless steel	11053278	10326424	-	-



Thermowell with welded connection *	T 09178.0001	T 09178.0005	-	-
Price in EUR			-	-
Steel	10326610	10326612	-	-
	T 09178.0000	T 09178.0006	-	-
Price in EUR			-	-
Stainless steel	10326609	10326613	-	-



Insulating sleeve, material PVC, Length	25 mm	25 mm		
	T 09362.0003	T 09362.0003	-	-
Price in EUR			-	-
	10326708	10326708	-	-



Material number ►	▲	▲	▲	▲
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Example ordering code	TBH080-212.150.52T	◀
	Bimetalthermometer nominal size 80, connection center back, tube length 100 mm, material brass	
	Temperature range -20...40°C	

Availability	stock item	upon manufacturing	- not available
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TBHA 080 / TBHA 100

Clamp-on thermometer for insulated pipes < 2"



► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP50 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-20°C ... 160°C
Sensor diameter	Ø 8 mm
Sensor tube material	Stainless steel 1.4571 (316ti)
Mounting socket	Zinc cast, included in scope of delivery

Nominal size		Ø 80 mm			
Sensor tube material		Stainless steel 1.4571 (316ti)			
Sensor length		55 mm	75 mm	95 mm	115 mm
Sensor tube outlet		rear	rear	rear	rear
Ordering code ►		TBHA080-212.161.***	TBHA080-212.162.***	TBHA080-212.163.***	TBHA080-212.164.***
Temperature range	Price in EUR				***▼
	-20 40 °C	10321443	10260921	11124709	10321335
	0 ...60 °C	10260917	10260919	10321323	11196228
	0 ...80 °C	10321424	10321311	10321324	11038944
	0 ...100 °C	10260918	10321313	10321331	11084157
	0 ...120 °C	10321425	10260920	10321325	11116563
Material number ►	0 ...160 °C	-	-	-	-
		▲	▲	▲	▲

Nominal size		Ø 100 mm			
Sensor tube material		Stainless steel 1.4571 (316ti)			
Sensor length		55 mm	75 mm	95 mm	115 mm
Sensor tube outlet		rear	rear	rear	rear
Ordering code ►		TBHA100-212.161.***	TBHA100-212.162.***	TBHA100-212.163.***	TBHA100-212.164.***
Temperature range	Price in EUR				***▼
	-20 40 °C	10321344	10321387	10321431	10321446
	0 ...60 °C	10260922	10321374	10321423	10260924
	0 ...80 °C	10321336	10321375	10321427	11103873
	0 ...100 °C	10321342	10321385	10321429	11010182
	0 ...120 °C	10321337	10260923	10321428	10321440
Material number ►	0 ...160 °C	-	-	-	-
		▲	▲	▲	▲

Accessories

Hose clamp for clamp fastening to tube-Ø	27 - 42 mm, 3/4" - 1 1/4"	42 - 60 mm, 1 1/4" - 2"		
	A 08476.0000	A 08476.0001	-	-
Price in EUR			-	-
	10263864	10263865	-	-

Spare parts

Mounting socket for isolation thickness	30 - 50 mm	50 - 70 mm	70 - 90 mm	90 - 110 mm
	T 09302.0000	T 09302.0001	T 09302.0002	T 09302.0003
Price in EUR				
	10298558	10298559	10326701	10326702

Material number ►	▲	▲	▲	▲
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Example ordering code TBHA080-212.162.12T

TBHA Bimetalthermometer nominal size 80, sensor outlet center back incl. mounting socket, sensor length 75 mm
Temperature range 0...100°C, socket for isolation thickness from 30 - 50 mm

Availability	stock item	upon manufacturing	- not available
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TBL 100

Bimetalthermometer for airducts



- Please use the corresponding material number and / or
- Please use the ordering code

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP50 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-30°C ... 100°C

Immersion tube diameter	Ø 8 mm
Immersion tube, material	Brass

Nominal size	Ø 100 mm			
Immersion tube, material	Brass			
Immersion tube length	165 mm			
Immersion tube outlet	rear			



Ordering code ►	TBL100-232.151.***				*** ▼
Price in EUR					
Temperature range	-30 50 °C	10328450	-	-	70T
	-20 ...40 °C	11153858	-	-	52T
	-20 ...60 °C	10321130	-	-	54T
	0 ...60 °C	11126387	-	-	11T
	0 ...80 °C	10260887	-	-	27T
	0 ...100 °C	10318405	-	-	12T
Material number ►	▲	▲	▲	▲	

Example ordering code	TBL100-232.151.27T				◀
	TBL100 Bimetalthermometer nominal size 100, immersion tube outlet center back, tube length 165 mm, material brass				
	Immersion tube diameter 8 mm, temperatur range 0...80°C				
Availability	stock item	upon manufacturing	- not available		

TB 080

Bimetalthermometer, stainless steel immersion tube



► Please use the corresponding material number and / or
► Please use the ordering code

Accuracy Class 1 (EN 13190) (above 250°C: Class 2)
Protection rating IP50 (EN 60529)
Housing Stainless steel 1.4301 (AISI 304)
Window Instrument glass
Measurement ranges -30°C ... 500°C

Immersion tube diameter Ø 8 mm
Connection Plain stem without thread for direct mounting

Nominal size		Ø 80 mm			
Immersion tube, material		Stainless steel 1.4571 (316ti)			
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm
Immersion tube outlet		rear	rear	rear	rear
Ordering code ►		TB080-212.162.***	TB080-212.164.***	TB080-212.166.***	TB080-212.167.***
Price in EUR					
Temperature range	-10 30 °C	11089997	11196044	-	-
	-20 40 °C	10320523	11161215	11196062	11196075
	-20 ...60 °C	11099262	11166645	11111374	11196077
	-30 ...30 °C	11115105	11196045	11196063	11196078
	-30 ...70 °C	11196042	10320577	11196060	11196074
Price in EUR					
	0 ...40 °C	10320542	10320823	-	-
	0 ...60 °C	10320524	11010523	10320631	11196065
	0 ...80 °C	10320550	11196043	11006261	11196072
	0 ...100 °C	10320531	11012242	11196046	10320528
	0 ...120 °C	10320532	10320578	10320632	11196069
	0 ...160 °C	11196041	10320579	11091641	11196066
Price in EUR					
	0 ...200 °C	10320591	10320592	11196048	11196071
	0 ...250 °C	10320533	10320580	11129227	11196068
	0 ...400 °C	10320534	10320585	10260846	10260847
	100 ...500 °C	10320535	10320586	10320502	10320536
Material number ►		▲	▲	▲	▲

Thermowell for TB080 thermometer

Immersion tube length	100 mm (4 ")	160 mm	250 mm	400 mm
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Thermowell with threaded connection with sliding connection



Price in EUR
Stainless steel 1.4404 / 1.4571

G 1/2 male thread			
T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
10298535	10298536	10326450	10298537

Thermowell with welded connection with sliding connection



Price in EUR
Stainless steel 1.4404 / 1.4571

T 08416.0201	T 08416.0202	T 08416.0203	T 08416.0204
10326637	10298538	10326638	10326639

Material number ►	▲	▲	▲	▲
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Thermowells and accessories see page 79

Example ordering code	TB080-212.166.20T
TB Bimetalthermometer nominal size 80, immersion tube outlet center back, tube length 250 mm, stainless steel	
Immersion tube diameter 8 mm, temperatur range 0...120°C	

Availability	stock item	upon manufacturing	- not available
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TB 100

Bimetalthermometer, stainless steel immersion tube



- Please use the corresponding material number and / or
- Please use the ordering code

Accuracy	Class 1 (EN 13190) (above 250°C: Class 2)
Protection rating	IP50 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-30°C ... 500°C

Immersion tube diameter	Ø 8 mm
Connection	Plain stem without thread for direct mounting

Nominal size		Ø 100 mm			
Immersion tube, material		Stainless steel 1.4571 (316ti)			
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm
Immersion tube outlet		rear	rear	rear	rear
Ordering code ►		TB100-212.162.***	TB100-212.164.***	TB100-212.166.***	TB100-212.167.***
Price in EUR					
Temperature range	-10 30 °C	10320761	10320763	-	-
	-20 40 °C	10320728	10320644	10320721	10320802
	-20 ...60 °C	10320762	10320822	10320639	11007985
	-30 ...30 °C	10320726	10320657	11093443	11127604
	-30 ...70 °C	10320727	10320658	10260854	10320801
Price in EUR					
	0 ...40 °C	10320950	10320929	-	-
	0 ...60 °C	10260848	10320645	10260855	10320803
	0 ...80 °C	10320851	10320686	10320747	10320818
	0 ...100 °C	10260849	10320646	10320729	10320804
	0 ...120 °C	10260850	10320647	10320730	10320813
	0 ...160 °C	10320757	10320648	10320731	10320814
Price in EUR					
	0 ...200 °C	10320999	10320770	10320771	10320710
	0 ...250 °C	10320758	10320662	10320732	10320815
	0 ...400 °C	10320759	10320663	10320745	10320816
	100 ...500 °C	10320760	10320664	10320746	10320817
Material number ►		▲	▲	▲	▲

Thermowell for TB100 thermometer

Immersion tube length	100 mm (4 ")	160 mm	250 mm	400 mm
Thermowell with threaded connection with sliding connection				
	G 1/2 male thread			
	T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
Price in EUR				
Stainless steel 1.4404 / 1.4571	10298535	10298536	10326450	10298537
Thermowell with welded connection with sliding connection				
	T 08416.0201	T 08416.0202	T 08416.0203	T 08416.0204
Price in EUR				
Stainless steel 1.4404 / 1.4571	10326637	10298538	10326638	10326639
Material number ►				
	▲	▲	▲	▲

Thermowells and accessories see page 79

Example ordering code	TB100-212.164.10T
TB100 Bimetalthermometer nominal size 100, immersion tube outlet center back, tube length 160 mm, stainless steel	
Immersion tube diameter 8 mm, temperatur range 0...40°C	
Availability	stock item
	upon manufacturing
	- not available

TBI

Bimetalthermometer, stainless steel, immersion tube center back



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP67 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-70°C ... 600°C
Immersion tube diameter	Ø 8 mm (Ø 6 mm s. Options)
Immersion tube outlet	Rear, axial
Connection	Plain stem without thread for direct mounting (Option: sliding connection)

Nominal size		Ø 100 mm			
Immersion tube, material		Stainless steel 1.4571 (316ti)			
Immersion tube outlet		rear	rear	rear	rear
					
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm
Ordering code ►		TBI100-212.162.***	TBI100-212.164.***	TBI100-212.166.***	TBI100-212.167.***
Price in EUR					
Temperature range	-10 ... 30 °C	11126074	10327178	-	-
	-20 ... 40 °C	10327451	11161734	10327206	10326968
	-20 ... 60 °C	10327450	10327297	10327142	10318101
	-20 ... 100 °C	10327065	10327410	11195778	11165443
	-30 ... 30 °C	-	-	-	-
	-30 ... 70 °C	10327409	10327028	11195776	10326993
	-30 ... 170 °C	10327208	10326996	11175083	11154767
	-70 ... 50 °C	10327094	10326974	11161045	10327040
	Price in EUR				
	0 ... 40 °C	10327356	10327030	-	-
	0 ... 60 °C	10327177	11161797	11186747	10327035
	0 ... 80 °C	11134786	11161751	11195775	10327457
	0 ... 100 °C	11161737	11161735	10326970	10327209
	0 ... 120 °C	11161738	11161745	11161739	10327298
	0 ... 160 °C	11121729	10326967	10327251	10327253
	Price in EUR				
	0 ... 200 °C	10327262	10326991	10327212	11195882
	0 ... 250 °C	11161743	11161732	10327295	11195779
	0 ... 400 °C	10327031	10326924	10326990	11195880
	0 ... 500 °C	11195771	10327087	11167652	11195883
	0 ... 600 °C	11196110	10327029	11195774	11195881
Material number ►		▲	▲	▲	▲

Additional price for other nominal sizes (NS)

Ø 80 mm	TBI080.***.***.***
Ø 130 mm (not for -10...30°C and 0...40°C)	TBI130.***.***.***
Ø 160 mm (not for -10...30°C and 0...40°C)	TBI160.***.***.***

Additional price for integrated process connection

G 1/2 male thread, sliding	TBI***.5*.***.***
1/2 NPT male thread, sliding	TBI***.6*.***.***
M20 x 1.5 male thread, sliding	TBI***.2*.***.***
Others on request	

Additional price for other immersion tube diameter

Ø 6 mm	TBI***.***.4*.***
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Options (additional costs)

ATEX II 2 GDc (only with option laminated safety glass)	0078
Case and bezel ring stainless steel 1.4404 (AISI 316L) (only Ø 100 mm and Ø 130 mm)	0110
Pointer axis with dampening grease	0581
Laminated safety glass (only Ø 80 mm and Ø 100 mm, others on request)	0751
Polycarbonat (only for Ø 80 mm and Ø 100 mm, others on request)	0753
Silicone-free with mark on dial	0794
Red mark at ...	9700
Customer logo	9710
Technical inscription	9711

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 3 points increasing	Q006
3.1 calibration certificate - 5 points increasing	Q007

Thermowells and accessories see page 79

Example ordering code

TBI100-212.162.20T/0751_Q006

TBI Bimetalthermometer nominal size 100, immersion tube outlet center back, Ø 8 mm, L=100 mm, 0 - 120°C

Laminated safety glass, 3.1 calibration certificate 3 points

Availability	stock item	upon manufacturing	- not available
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TBI

Bimetalthermometer, stainless steel, immersion tube radial bottom



- ▶ Please use exclusively the material number for standard products
- ▶ Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP67 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-70°C ... 600°C
Immersion tube diameter	Ø 8 mm (Ø 6 mm s. Options)
Immersion tube outlet	Bottom, radial
Connection	Plain stem without thread for direct mounting (Option: sliding connection)

Nominal size		Ø 100 mm			
Immersion tube, material		Stainless steel 1.4571 (316Ti)			
Immersion tube outlet		bottom	bottom	bottom	bottom
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm
Ordering code ▶		TBI100-211.162.***	TBI100-211.164.***	TBI100-211.166.***	TBI100-211.167.***
Price in EUR					
Temperature range	-20 ... 40 °C	11169029	10327421	10327155	11196088
	-20 ... 60 °C	11195981	11196032	11196055	11196100
	-20 ... 100 °C	10327154	11196036	11196059	11196108
	-30 ... 30 °C	-	-	-	-
	-30 ... 70 °C	10327315	10327221	11196054	11196086
	-30 ... 170 °C	11195983	11196033	11196056	11196103
	-70 ... 50 °C	11195986	11178440	11196058	11196106
	Price in EUR				
	0 ... 60 °C	11161765	10326891	10327095	10327007
	0 ... 80 °C	10326892	10327153	11196053	11196084
	0 ... 100 °C	11195958	10327418	11196037	10327044
	0 ... 120 °C	11161769	10327419	11188745	10327219
	0 ... 160 °C	10327316	10327269	10327129	11196080
	Price in EUR				
	0 ... 200 °C	11161790	10327271	10327194	11196082
	0 ... 250 °C	10327273	10327420	10326893	10327077
	0 ... 400 °C	11195963	10326935	10327011	10326902
	0 ... 500 °C	11195969	11196031	11196051	11196083
	0 ... 600 °C	11195966	11196000	11196039	11196081
Material number ▶		▲	▲	▲	▲

Additional price for other nominal sizes (NS)			
Ø 80 mm			TBI080-***.***.***
Ø 130 mm			TBI130-***.***.***
Ø 160 mm			TBI160-***.***.***

Additional price for integrated process connection			
G 1/2 male thread, sliding			TBI***-5*.***.***
1/2 NPT male thread, sliding			TBI***-6*.***.***
M20 x 1.5 male thread, sliding			TBI***-2*.***.***
Others on request			

Additional price for other immersion tube diameter			
Ø 6 mm			TBI***-***.4*.***

Options (additional costs)			/
ATEX II 2 GDc (only with option laminated safety glass)			0078
Case and bezel ring stainless steel 1.4404 (AISI 316L) (only Ø 100 mm and Ø 130 mm)			0110
Pointer axis with dampening grease			0581
Laminated safety glass (only Ø 80 mm and Ø 100 mm, others on request)			0751
Silicone-free with mark on dial			0794
Red mark at ...			9700
Customer logo			9710
Technical inscription			9711

Certificates (Net-Prices)			
2.1 certificate			Q001
2.2 certificate			Q002
3.1 material certificate			Q003
3.1 calibration certificate - 3 points increasing			Q006
3.1 calibration certificate - 5 points increasing			Q007

Thermowells and accessories see page 79

Example ordering code		TBI100-211.162.20T/0751_Q006	◀
		TBI Bimetalthermometer nominal size 100, immersion tube outlet radial bottom, Ø 8 mm, L=100 mm, 0 - 120°C	
		Laminated safety glass, 3.1 calibration certificate 3 points	
Availability	stock item	upon manufacturing	- not available

TBI

Bimetalthermometer, stainless steel, immersion tube every angle



► Please use exclusively the material number for standard products

► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP67 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-70°C ... 600°C
Immersion tube diameter	Ø 8 mm (Ø 6 mm s. Options)
Immersion tube outlet	Rear, every angle
Connection	Plain stem without thread for direct mounting (Option: sliding or fix connection)

Nominal size		Ø 100 mm				
Immersion tube, material		Stainless steel 1.4571 (316ti)				
Immersion tube outlet		Every angle 	Every angle 	Every angle 	Every angle 	
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm	
Ordering code ►		TBI100-214.162.***	TBI100-214.164.***	TBI100-214.166.***	TBI100-214.167.***	▼▼
Price in EUR						
Temperature range	-20 40 °C	11118161	11195928	11195949	11196014	52T
	-20 ...60 °C	11195888	11195929	11195970	11196015	54T
	-20 ...100 °C	11118160	11156250	11195977	11196018	84T
	-30 ...30 °C	-	-	-	-	61T
	-30 ...70 °C	10327568	11195927	11195947	11196013	51T
	-30 ...170 °C	11195920	11195940	11195972	10327567	55T
	-70 ...50 °C	11195922	11172084	11195973	11196017	68T
	Price in EUR					
0 ...60 °C	10299677	10327527	10327999	11195979	11T	
0 ...80 °C	11195887	10327197	11195946	11196012	27T	
0 ...100 °C	10327890	10327690	11195942	11195991	12T	
0 ...120 °C	10328027	11195924	10327649	11195999	20T	
0 ...160 °C	10327615	10327997	10327652	11195993	13T	
Price in EUR						
0 ...200 °C	11195885	11195925	11195944	10327803	22T	
0 ...250 °C	10327651	10327991	10327653	11195995	14T	
0 ...400 °C	10327619	10327231	10327654	11195996	15T	
0 ...500 °C	11195886	11195926	11195945	11196011	25T	
0 ...600 °C	11162872	11195923	11195943	11195997	16T	
Material number ►		▲	▲	▲	▲	

Additional price for other nominal sizes (NS)

Ø 80 mm	TBI080-***.***.***
Ø 130 mm	TBI130-***.***.***
Ø 160 mm	TBI160-***.***.***

Additional price for integrated process connection

G 1/2 male thread, sliding	TBI***-5-***.***.***
1/2 NPT male thread, sliding	TBI***-6-***.***.***
M20 x 1.5 male thread, sliding	TBI***-2-***.***.***
G 1/2 male thread, fix	TBI***-C-***.***.***
1/2 NPT male thread, fixed	TBI***-Q-***.***.***
Others on request	

Additional price for other immersion tube diameter

Ø 6 mm	TBI***-***.4-***.***
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Options (additional costs)

ATEX II 2 GDc (only with option laminated safety glass)	0078
Case and bezel ring stainless steel 1.4404 (AISI 316L) (only Ø 100 mm and Ø 130 mm)	0110
Pointer axis with dampening grease	0581
Laminated safety glass (only Ø 80 mm and Ø 100 mm, others on request)	0751
Polycarbonat (only for Ø 80 mm and Ø 100 mm, others upon request)	0753
Silicone-free with mark on dial	0794
Red mark at ...	9700
Customer logo	9710
Technical inscription	9711

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 3 points increasing	Q006
3.1 calibration certificate - 5 points increasing	Q007

Thermowells and accessories see page 79

Example ordering code	TBI100-214.162.20T/0751_Q006
TBI Bimetalthermometer nominal size 100, immersion tube outlet every angle, Ø 8 mm, L=100 mm, 0 - 120°C	
Laminated safety glass, 3.1 calibration certificate 3 points	

Availability	stock item	upon manufacturing	- not available
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TSS

Gas filled thermometer, stainless steel, direct mounting



- Please use exclusively the material number for standard products
- Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-200°C ... 800°C
Immersion tube diameter	Ø 8 mm (Ø 6, 9, 10, 11, 12, 14, 16 mm on request)
Immersion tube outlet	Bottom, radial (others see options)
Connection	Plain stem without thread for direct mounting (Option: sliding connection)

Nominal size		Ø 100 mm			
Immersion tube, material		Stainless steel 1.4541 (321)			
Immersion tube outlet		bottom	bottom	bottom	bottom
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm
Ordering code ►		TSS100-211.162.***	TSS100-211.164.***	TSS100-211.166.***	TSS100-211.167.***
Price in EUR					***▼
Temperature range	-200 ... 50 °C				69T
	-120 ... 40 °C				77T
	-100 ... 50 °C				76T
	-80 ... 40 °C				74T
	-60 ... 40 °C				50T
	Price in EUR				
	-40 ... 40 °C				65T
	-30 ... 170 °C				55T
	-30 ... 70 °C				51T
	-30 ... 30 °C				61T
Price in EUR	-20 ... 100 °C				84T
	-20 ... 60 °C				27T
	-20 ... 40 °C				12T
	0 ... 60 °C				11T
	0 ... 80 °C				27T
	0 ... 100 °C				12T
	0 ... 120 °C				20T
	0 ... 160 °C				13T
	0 ... 200 °C				22T
	0 ... 250 °C				14T
Price in EUR	0 ... 300 °C				23T
	0 ... 400 °C				15T
	0 ... 500 °C				25T
	0 ... 600 °C				16T
	Price in EUR				
	0 ... 800 °C				82T
Material number ►		▲	▲	▲	▲

Additional price for other nominal sizes (NS)

Ø 63 mm	TSS063-***.***.***
Ø 80 mm	TSS080-***.***.***
Ø 160 mm	TSS160-***.***.***

Additional price for other immersion tube versions

Immersion tube outlet center back	TSS***-12.***.***
Immersion tube outlet center back, every angle	TSS***-42.***.***
Immersion tube outlet bottom, every angle	TSS***-41.***.***

Options (additional costs)

Sliding connection G 1/2	738C
Sliding connection 1/2 NPT	738J
Sliding connection M18 x 1.5	738P
Housing with silicone oil filling (Ø 100 mm, others on request)	0776
Technical inscription	9711

Certificates (Net-Prices)

2.1 certificate	Q001
2.2 certificate	Q002
3.1 material certificate	Q003
3.1 calibration certificate - 3 points increasing	Q006
3.1 calibration certificate - 5 points increasing	Q007

Thermowells and accessories see page 79

Example ordering code	TSS100-211.162.20T/738C_Q006
	TSS Gas filled thermometer, nominal size Ø 100 mm, immersion tube bottom, Ø 8 mm, L=100 mm, 0 -120°C
	sliding connection G 1/2, 3.1 calibration certificate 3 points
Availability	stock item
	upon manufacturing
	- not available

TSF

Gas filled thermometer, stainless steel, with capillary



► Please use exclusively the material number for standard products
 ► Please use the ordering code for configured products with options, certificates, ...

Accuracy	Accuracy class 1.0 (EN 13190)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
Window	Instrument glass
Measurement ranges	-200°C ... 800°C
Immersion tube diameter	Ø 8 mm (Ø 6, 9, 10, 11, 12, 14, 16 mm on request)
Capillary length	2 m (others upon request)
Connection	Plain stem without thread for direct mounting (Option: sliding connection)

Nominal size		Ø 100 mm			
Immersion tube, material		Stainless steel 1.4541 (321)			
Capillary outlet		bottom	bottom	bottom	bottom
Immersion tube length		100 mm (4 ")	160 mm	250 mm	400 mm
Ordering code ►		TSF100-211.162.***.20	TSF100-211.164.***.20	TSF100-211.166.***.20	TSF100-211.167.***.20
Price in EUR					
Temperature range	-200 ... 50 °C				69T
	-120 ... 40 °C				77T
	-100 ... 50 °C				76T
	-80 ... 40 °C				74T
	-60 ... 40 °C				50T
	Price in EUR				
	-40 ... 40 °C				65T
	-30 ... 170 °C				55T
	-30 ... 70 °C				51T
	-30 ... 30 °C				61T
	-20 ... 100 °C				84T
	-20 ... 60 °C				27T
	-20 ... 40 °C				12T
	Price in EUR				
	0 ... 60 °C				11T
	0 ... 80 °C				27T
	0 ... 100 °C				12T
	0 ... 120 °C				20T
	0 ... 160 °C				13T
	0 ... 200 °C				22T
	0 ... 250 °C				14T
	0 ... 300 °C				23T
	0 ... 400 °C				15T
	0 ... 500 °C				25T
	0 ... 600 °C				16T
	Price in EUR				
	0 ... 800 °C				82T
Material number ►		▲	▲	▲	▲

Additional price for other nominal sizes (NS)		
Ø 63 mm		TSF063-***.***.***
Ø 80 mm		TSF080-***.***.***
Ø 160 mm		TSF160-***.***.***

Additional prices for other housing versions		
Capillary outlet with support for measuring instrument for wall-mount		TSF***-61.***.***
Capillary outlet bottom with front flange for panel-mount		TSF***-21.***.***
Capillary outlet rear with front flange for panel-mount		TSF***-22.***.***
Capillary outlet bottom with rear flange for wall-mount		TSF***-31.***.***
Capillary outlet rear with rear flange for wall-mount		TSF***-32.***.***

Options (additional costs)		/
Sliding connection G 1/2		738C
Sliding connection 1/2 NPT		738J
Sliding connection M18 x 1.5		738P
Housing with silicone oil filling (Ø 100 mm, others on request)		0776
Technical inscription		9711

Certificates (Net-Prices)		
2.1 certificate		Q001
2.2 certificate		Q002
3.1 material certificate		Q003
3.1 calibration certificate - 3 points increasing		Q006
3.1 calibration certificate - 5 points increasing		Q007

Thermowells and accessories see page 79

Example ordering code	TSF100-211.162.20T.20/738C_Q006	◀
TSF Gas filled thermometer, nominal size Ø 100 mm, immersion tube bottom, Ø 8 mm, L=100 mm, 0 -120°C		
2 meter capillary, sliding connection G 1/2, 3.1 calibration certificate 3 points		

Availability	stock item	upon manufacturing	- not available
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Thermowell for thermometers



► Please use the corresponding material number and / or
► Please use the ordering code

Material	Stainless steel 1.4404 / 1.4571
Immersion tube length	100 mm, 160 mm, 250 mm, 400 mm
Immersion tube diameter	Ø 6 mm + Ø 8 mm

Installed length (stem diameter 6 mm)		100 mm (4 ")	160 mm	250 mm	400 mm
Thermowell with threaded connection with sliding connection		G 1/2 male thread			
	Ordering code ►	T 09346.0301	T 09346.0302	T 09346.0303	T 09346.0304
	Price in EUR				
	Stainless steel 1.4404 / 1.4571	10298560	10326589	10326590	10298561
		3/4 NPT male thread			
	Ordering code ►	T 09346.0901	T 09346.0902	T 09346.0903	-
	Price in EUR				-
	Stainless steel 1.4404 / 1.4571	10326629	11177967	10326630	-

Thermowell with welded connection with sliding connection		T 09367.0201	T 09367.0202	T 09367.0203	-
	Price in EUR				-
	Stainless steel 1.4404 / 1.4571	10326755	10326756	10326757	-

Installed length (stem diameter 8 mm)		100 mm (4 ")	138 mm	225 mm	350 mm
Thermowell with G 1/2 female thread		G 1/2 male thread			
	Price in EUR	AGWR-0230L2D.100	AGWR-0230L2D.138	AGWR-0230L2D.225	AGWR-0230L2D.350
	Stainless steel 1.4404 / 1.4571	10264556	10357340	10356093	10264568
		1/2 NPT male thread			
	Price in EUR	AGWR-0260L2D.100	AGWR-0260L2D.140	AGWR-0260L2D.225	AGWR-0260L2D.350
	Stainless steel 1.4404 / 1.4571	11156443	11155444	11155445	11155446

Sliding connection (for immersion tube 6 mm)		G 1/2	G 3/4	1/2 NPT	M20 x 1.5
	Price in EUR	T 08406.0016	T 08406.0017	T 08406.0019	T 08406.0020
	Stainless steel 1.4404 / 1.4571	10298532	10326712	10298533	10326713
	Price in EUR	T 08641.0010	T 08641.0011	-	T 08641.0013
	Stainless steel 1.4404 / 1.4571	10326416	10326417	-	10318577

Spare parts

Immersion tube diameter		Ø 6 mm			
Material		-	-	-	Stainless steel
	Price in EUR	-	-	-	T 08404.0004
	Fitting G 1/4	-	-	-	10330185
	Price in EUR	-	-	-	T 08405.0004
	Olive	-	-	-	10330197
Material number ►		▲	▲	▲	▲

One-piece drilled thermowell (AGFR)	on request
Thermowell drilled with flange connection (AGF)	on request

Thermowells for thermometers

Thermometer with with sliding connection



► Please use the corresponding material number and / or
► Please use the ordering code

Material	Stainless steel 1.4404 / 1.4571, Steel, Brass
Immersion tube length	100 mm, 160 mm, 250 mm, 400 mm
Immersion tube diameter	Ø 8 mm

Installed length (stem diameter 8 mm)	100 mm (4 ")	160 mm	250 mm	400 mm
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Thermowell with threaded connection				
Ordering code ►	G 1/2 male thread			
	T 08410.0101	T 08410.0102	T 08410.0103	-
Price in EUR				
Brass	10298534	10330164	10326329	-
G 1/2 male thread				
Price in EUR	T 08410.0201	T 08410.0202	T 08410.0203	-
	10330166	10326376	10326377	-
G 1/2 male thread				
Price in EUR	T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
	10298535	10298536	10326450	10298537
3/4 NPT male thread				
Price in EUR	T 08410.0901	T 08410.0902	T 08410.0903	T 08410.0904
	10326633	10326634	10326635	11049421



Thermowell with welded connection				
Price in EUR	T 08416.0101	T 08416.0102	T 08416.0103	T 08416.0104
	10330190	10326602	10330191	10326604
Price in EUR	T 08416.0201	T 08416.0202	T 08416.0203	T 08416.0204
	10326637	10298538	10326638	10326639



Sliding connection (for immersion tube 8 mm)				
Price in EUR	G 1/2	G 3/4	1/2 NPT	M20 x 1.5
	T 08406.0003	T 08406.0006	T 08406.0009	T 08406.1020
Male thread	10298528	10326632	10298530	10318683
Price in EUR	T 08641.0003	T 08641.0006	-	-
	10298540	10326382	-	-
Female thread				



Mounting sleeve for airducts				
Price in EUR	ZTH1			
	J 70148.0001	-	-	-
Steel zinc plated	10271371	-	-	-



Spare parts

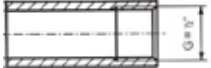
Immersion tube diameter				
Material				
Price in EUR	Ø 8 mm			-
	Brass	Steel	Stainless steel	-
Price in EUR	T 08404.0001	T 08404.0002	T 08404.0003	-
	10330188	10330189	10330184	-
Price in EUR	T 08405.0001	T 08405.0002	T 08405.0003	-
	10330186	10330187	10330196	-

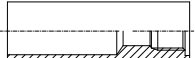


Material number ►	▲	▲	▲	▲
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Welded socket for thermowell with threaded connection G 1/2

- Please use the corresponding material number and / or
► Please use the ordering code

Thread without flange		38 mm	58 mm	78 mm	-
Ordering code ►		T 09178.0001	T 09178.0000	T 09178.0002	-
Price in EUR					
	Steel	10326610	10326609	10326611	-
Price in EUR					
Stainless steel		10326612	10326613	11092219	-

For flat gasket according DIN 3852		15 mm	50 mm	100 mm (4 ")	150 mm
Price in EUR		T 09373.0000	T 09372.0002	T 09372.0003	T 09372.0004
	Steel	10318176	10326801	10326838	10326839
Price in EUR					
Stainless steel		10318177	10326840	11012394	-

Flat gasket according DIN 3852		N 01880.0301	-	-	-
Price in EUR					
	Copper	10329823	-	-	-
Price in EUR					
PTFE		10329824	-	-	-
Price in EUR					
PTFE		10325765	-	-	-

Insulating sleeve to avoid thermal bridge		25 mm	44 mm	67 mm	95 mm
Price in EUR		T 09362.0003	T 09362.0000	T 09362.0001	T 09362.0002
	PVC	10326708	10326705	10326706	10326707

Material number ►	▲	▲	▲	▲
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D030



D04x



DTx



D05x



DANC



DADF



DADL



D82x



D4xx



D850



1620



D912



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RDN, RDY



RDE



RP2N, RP2Y



RP2E



RTN, RTY



RT2N, RT2Y



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