

Bourdon temperature and pressure measurement technology

Variants and stock catalog 2019



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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, Baumer Electric AG in Kirchberg 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, Switzerland, 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 2600 workers worldwide in 38 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



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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.

+ 900 variants of pressure gauges, thermometers and accessories available immediately from stock.

+ 2700 variants of common products to be ordered separately.

+ Customer-specific variants from millions of combinations available on request.

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.

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.

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.

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.

All products in this catalog are subject to our General Terms and Conditions, which you can find on our Internet site at www.bourdon.baumer.com.

Order in 3 steps.

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.

Send your order or inquiry to:
sales@bourdon-haenni.com

Do you have any questions?

Our specialists will help you with a great deal of experience and expert advice to quickly make the right product choice for your individual application at economically attractive conditions.



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We have the answers.



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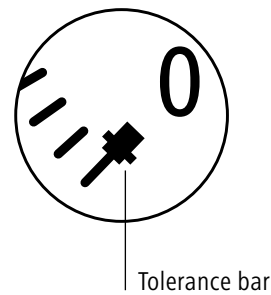
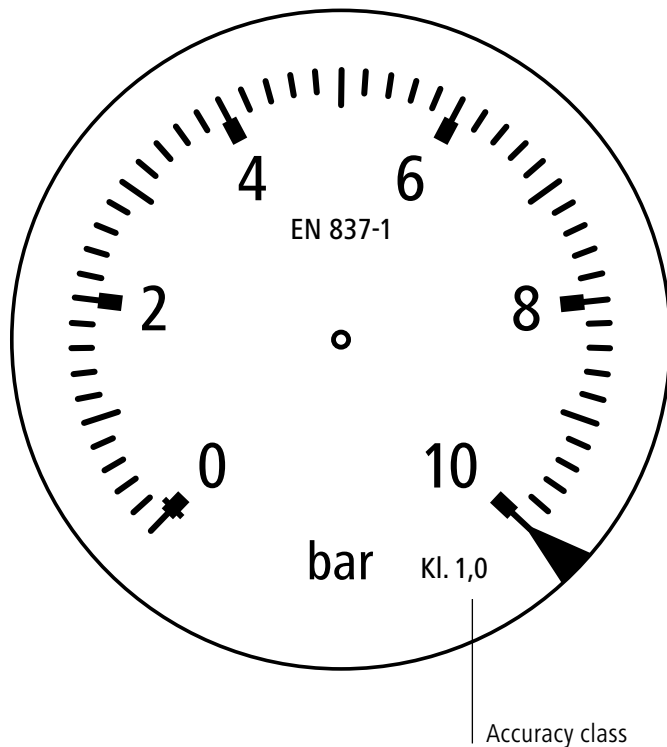


More choice, more variants.
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Find your product in the product selector.

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

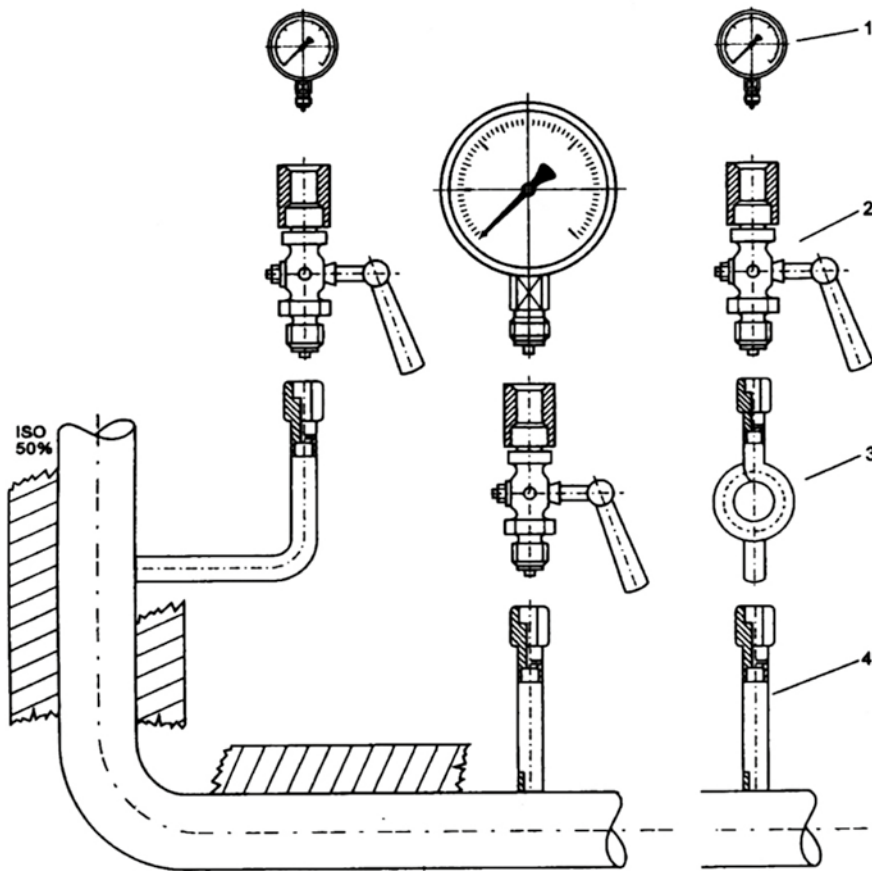
Measuring span: 250 mbar

Permitted error: ± 4 mbar ($\pm 1.6\%$ of 250 mbar)

Installation example for pressure gauges.

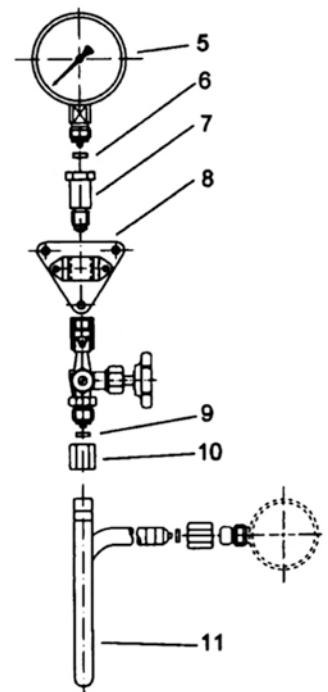
Water, hot water, media < 100 °C

1. Pressure gauge
2. Shut-off cock or valve
3. Siphon, coil type
4. Tube adapter



Steam, hot water, media > 100 °C

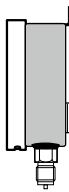
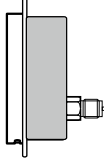
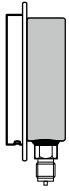
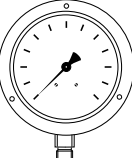
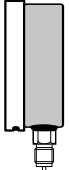
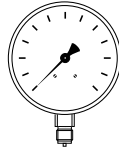
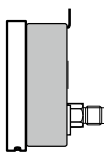
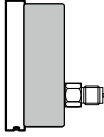
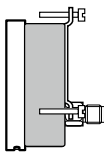
5. Pressure gauge
6. Gasket
7. Spacer
8. Mounting support
9. Gasket
10. Adjusting nut
11. Siphon, U-shape



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 mounting, 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:

2.1 Certificate

Works certificate which certifies the conformance of the delivery with the order.

2.2 Certificate

Works certificate which certifies the conformance of the critical product properties with the properties warranted in the data sheet.

3.1 Certificate

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.



Bourdon-Haenni GmbH today offers you a wide range of original Bourdon products based on more than 160 years of technical development and experience.

 **Bourdon**
Baumer Group

MMD3 (DR63 / DRO63)

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	Class 1.6 according to 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	Plexiglas
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		38,90	41,20	46,10	48,40
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	37,70	40,00	44,90	47,20
	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	41,90	44,20	49,10	51,40
	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)	12,70	MMD3-*3*.B**
Options (additional costs)		Laminated safety glass	5,10	0751
Certificates (Net-Prices)		2.1 certificate	23,00	Q001
		2.2 certificate	32,00	Q002
		3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
		3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code	MMD3-D20.B20/0751	42,80	◀
MMD3 nominal size 63, connection bottom G 1/4, dry, 0...6 bar			
Laminated safety glass			

Availability	stock item	upon manufacturing	- not available
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MMD5 (DR100 / DRO100)

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	Class 1.0 (according to EN 837-1)
Protection rating	IP54 / IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	DIN case, bajonet
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	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MMD5-D30.B**	MMD5-F30.B**	MMD5-D31.B**	MMD5-F31.B**
Price in EUR		59,30	88,60	75,10	104,40
Pressure range	-1 ...0 Bar	10292058	10292237	10292114	10292251
	-1 ...0.6 Bar	11196776	11196797	11196779	11196816
	-1 ...1.5 Bar	10292061	11196798	11196790	11196817
	-1 ...3 Bar	10292063	10292239	10292117	10292253
	-1 ...5 Bar	10292066	10292240	10292118	10292254
	-1 ...9 Bar	10292067	10292241	10292119	10292255
	-1 ...15 Bar	10292068	11196799	11196791	11196819
	0 ...0.6 Bar	10292003	11196795	11196778	11196810
	0 ...1 Bar	10292005	11078186	10292099	11196813
	0 ...1.6 Bar	10292009	10292228	10292100	10292242
	0 ...2.5 Bar	10292012	10292229	10292101	10292243
	0 ...4 Bar	10292016	10292230	10292102	10292244
	Price in EUR	56,90	86,20	72,70	102,00
	0 ...6 Bar	10292019	10292231	10292104	10292245
	0 ...10 Bar	10292028	10292232	10292105	10292246
	0 ...16 Bar	10292041	10292233	10292107	10292247
	0 ...25 Bar	10292048	10292234	10292109	10292248
	0 ...40 Bar	10292051	10292235	10292111	10292249
	0 ...60 Bar	10292054	11196796	10292113	11196815
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)			
Bottom, 3 lugs for wall-mount	15,80	MMD5-A** B**	
Rear, front ring for panel-mount, 3 mounting holes	69,30	MMD5-B** B**	
Bottom, front ring for panel-mount, 3 mounting holes	40,00	MMD5-C** B**	
Rear, front ring and mounting elements for panel-mount	129,60	MMD5-G** B**	

Process connection			
G 1/4	13,60	MMD5-*2* B**	
1/2 NPT	0,00	MMD5-*6* B**	

Options (additional costs)			
Laminated safety glass	6,10	0751	/
Silicone-free with mark on dial	17,20	0794	
Adjustable pointer on dial (only without glycerin filling)	9,00	0051	
Adjustable pointer on window	26,10	0053	
Indexpointer, adjustable by magnet	29,10	0054	

Certificates (Net-Prices)			
2.1 certificate	23,00	Q001	
2.2 certificate	32,00	Q002	
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008	
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009	

Example ordering code	MMD5-D30.B20/0053	83,00	◀
MMD5 nominal size 100, connection bottom G 1/2, dry, 0...6 bar			
Adjustable pointer on 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	Class 1.6 according to EN 837-1
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	Bajonet 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		Ø 50 mm			
Process connection		G 1/4			
Connection		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		84,40	87,50	88,30	91,40
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	64,40	67,50	68,30	71,40
	-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	77,40	80,50	81,30	84,40
	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	65,20	68,30	69,10	72,20
	0 ...4 Bar	11012434	11012492	10275288	10275636
	0 ...6 Bar	11012436	11012494	10275289	10275637
	Price in EUR	59,30	62,40	63,20	66,30
	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	75,80	78,90	79,70	82,80
	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	109,60	112,70	113,50	116,60
	0 ...1000 Bar	11195744	11195745	10275309	11195747
					41
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting type D)

Bottom, 3 lugs for wall-mount	9,40	MEX2-A** B**
Rear, front ring for panel-mount, 3 mounting holes	10,60	MEX2-B** B**
Rear, front ring and mounting bracket for panel-mount	20,40	MEX2-G** B**

Process connection

1/4 NPT	0,00	MEX2-5* B**
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Options (additional costs)

Laminated safety glass	1,60	0751
Window polycarbonate	5,90	0753
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	3,60	0078

Certificates (Net-Prices)

2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 material certificate	48,00	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code	MEX2-D21.B20/0751_Q001	93,70	◀
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	Class 1.6 according to 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		67,90	70,60	72,00	74,70
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	48,50	51,20	52,60	55,30
	-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	61,00	63,70	65,10	67,80
	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	49,20	51,90	53,30	56,00
	0 ...4 Bar	11170217	11172642	11172551	11172587
	0 ...6 Bar	11170219	11172643	11172553	11172588
	Price in EUR	43,50	46,20	47,60	50,30
	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	59,50	62,20	63,60	66,30
	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

10,30

MEX3-G**.B**/0133

Process connection

1/4 NPT

0,00

MEX3-*5*.B**/0133

Certificates (Net-Prices)

2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 material certificate	48,00	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code MEX3-D50.B22/0133_Q008

85,50

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

upon manufacturing

- not available

MEX3

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

► Please use exclusively the material number for standard products

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

Accuracy	Class 1.6 according to EN 837-1
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4404 (AISI 316L)
	Bajonet 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		Ø 63 mm			
Process connection		G 1/4			
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	Glycerine	Glycerine
Ordering code ►		MEX3-420.B**	MEX3-620.B**	MEX3-421.B**	MEX3-621.B**
Price in EUR		99,60	103,40	103,70	107,50
Pressure range	-1 ...0 Bar	11159572	11159573	11195811	11195851
	-1 ...0.6 Bar	11195798	11195832	11195812	11195852
	-1 ...1.5 Bar	11195799	11195833	11010284	11195853
	Price in EUR	80,20	84,00	84,30	88,10
	-1 ...3 Bar	11195800	11195834	11195813	11195854
	-1 ...5 Bar	11195801	11195835	11195814	10347423
	-1 ...9 Bar	11195802	11195836	11195817	11195855
	-1 ...15 Bar	11137908	11195837	11195815	11195857
	-1 ...24 Bar	11195803	11195838	11195816	11195856
	Price in EUR	92,70	96,50	96,80	100,60
	0 ...1 Bar	11195766	11195818	11195804	11195839
	0 ...1.6 Bar	11195767	11195819	11195805	11195840
	0 ...2.5 Bar	11195768	11195820	10275934	11195841
	Price in EUR	80,90	84,70	85,00	88,80
	0 ...4 Bar	11195769	11195822	11195806	11195842
	0 ...6 Bar	11046837	11178347	11130431	11168242
	Price in EUR	75,20	79,00	79,30	83,10
	0 ...10 Bar	10275928	11195821	10275935	11195305
	0 ...16 Bar	11195790	11187841	11145744	11195843
	0 ...25 Bar	11195791	11166385	10275936	11195844
	0 ...40 Bar	11195792	11195823	11195807	11147680
	Price in EUR	91,20	95,00	95,30	99,10
	0 ...60 Bar	11195793	11195824	10275937	11195845
	0 ...100 Bar	11195794	11195825	10275939	11195846
	0 ...160 Bar	10275930	11195826	11195808	11195847
	0 ...250 Bar	10275931	11195827	10275940	11195848
	0 ...400 Bar	11195795	11195828	11155936	11151802
	0 ...600 Bar	11195796	11195829	11195809	11195849
	Price in EUR	124,00	127,80	128,10	131,90
	0 ...1000 Bar	11195797	11195831	11195810	11195850
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ 4)

Bottom, rear flange for wall-mount	19,10	MEX3-1**..B**
Rear, front ring for panel-mount, 3 mounting holes	20,60	MEX3-2**..B**
Rear, front ring and mounting bracket for panel-mount	23,60	MEX3-7**..B**

Process connection

1/4 NPT	0,00	MEX3-5**..B**
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Options (additional costs)

Laminated safety glass	1,60	0751
Window polycarbonate	5,90	0753
Friction pointer adjustable	1,50	0679
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	3,60	0078

Certificates (Net-Prices)

2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 material certificate	48,00	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code	MEX3-450.B22/0751_Q008	118,80
MEX3 nominal size 63, connection bottom 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	Class 1.0 (according to EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	DIN case, bajonet
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		102,80	120,80	121,20	139,20
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	81,00	99,00	99,40	117,40
	-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	96,10	114,10	114,50	132,50
	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	75,60	93,60	94,00	112,00
	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	93,10	111,10	111,50	129,50
	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	129,10	147,10	147,50	165,50
	0 ...1000 Bar	11011227	10286476	10283145	10286605
	0 ...1600 Bar	10282256	10286478	10283155	10286607
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting type D)

Bottom, 3 lugs for wall-mount	23,80	MEX5-A**.B**
Rear, front ring for panel-mount, 3 mounting holes	59,30	MEX5-B**.B**
Rear, 3 lugs for wall-mount	41,40	MEX5-E**.B**
Rear, front ring and mounting bracket for panel-mount	44,70	MEX5-G**.B**

Process connection	1/2 NPT	0,00	MEX5-16*.B**
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Options (additional costs)

Laminated safety glass	4,40	0751
Window polycarbonate	10,90	0753
Micro adjustable pointer (P > 1.6 bar)	3,60	0678
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	3,60	0078
Blow out disc at the back	7,70	0760
Restrictor screw	7,60	0771
Measuring element (free of oil and grease)	14,10	0764
Silicone-free with mark on dial	12,30	0794
Adjustable pointer on dial (only without glycerin filling)	9,00	0051
Adjustable pointer on window	27,30	0053

Certificates (Net-Prices)

2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 material certificate	48,00	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code	MEX5-D30.B20/0751_Q008	122,00	◀
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
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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	Class 1.0 (according to EN 837-1)
Protection rating	IP65 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	DIN case, bajonet
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		180,80	194,20	202,80	216,20
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	161,40	174,80	183,40	196,80
	-1 ...3 Bar	10287485	11209782	11133494	11209793
	-1 ...5 Bar	10287490	10287795	10287598	11209794
	-1 ...9 Bar	10287493	10287797	10287600	11209793
	-1 ...15 Bar	10287494	11045507	11112365	11209764
	-1 ...24 Bar	11133489	11209783	11093930	11209765
	Price in EUR	174,90	188,30	196,90	210,30
	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	156,60	170,00	178,60	192,00
	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	172,30	185,70	194,30	207,70
	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	204,30	217,70	226,30	239,70
	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	11,20	MEX8-A** B**
Rear, front ring for panel-mount, 3 mounting holes	45,90	MEX8-B** B**
Rear, 3 lugs for wall-mount	24,60	MEX8-E** B**

Process connection

1/2 NPT	0,00	MEX8-*6* B**
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Options (additional costs)

Laminated safety glass	7,10	0751
Window polycarbonate	10,90	0753
Friction pointer adjustable	8,90	0679
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	3,60	0078
Restrictor screw	7,60	0771
Measuring element (free of oil and grease)	14,10	0764
Silicone-free with mark on dial	12,30	0794
Adjustable pointer on dial (only without glycerin filling)	9,00	0051
Adjustable pointer on window	27,60	0053

Certificates (Net-Prices)

2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 material certificate	48,00	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code

MEX8-D30.B20/0751_Q008	205,70	◀
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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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	Class 2.5 (according to 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	
Process connection		G 1/8		G 1/4	
Connection		bottom	rear	bottom	rear
					
Damping liquid		unfilled	unfilled	unfilled	unfilled
Ordering code ►		MAT1-D10.B**	MAT1-F10.B**	MAT2-D20.B**	MAT2-F20.B**
Pressure range	Price in EUR	9,20	9,50	10,10	10,10
	-1 ...0 Bar	10272294	10272313	11155915	11155916
	0 ...1 Bar	10272281	10272296	10272327	10272355
	Price in EUR	7,50	7,80	8,40	8,40
	0 ...1.6 Bar	10272282	10272297	10272328	11196002
	0 ...2.5 Bar	10272283	10272298	10272329	10272357
	Price in EUR	7,50	7,80	8,40	8,40
	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	7,50	◀
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	Class 2.5 (according to 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		9,50	9,50	-	-
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	8,40	8,40	-	-
	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	9,20	9,20	-	-
	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	8,40	◀
MAT3 nominal size 63, connection bottom G 1/4, dry, 0...6 bar			

Availability	stock item	upon manufacturing	- not available
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MAT5

Utility pressure gauge steel / brass - nominal size 100

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

Accuracy	Class 1.6 according to 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		15,90	15,90	-	-
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	15,60	15,60	-	-
	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	15,90	15,90	-	-
	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	15,60	◀
MAT5 nominal size 100, bottom connection, 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	Class 1.6 according to 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			
Process connection		G 1/4			
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		18,80	19,50	19,50	21,20
Pressure range	-1 ...0 Bar	10325559	11195907	10325596	11195938
	0 ...1 Bar	10325663	11195892	10325567	11195913
	Price in EUR	17,80	18,50	18,50	20,20
	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	18,80	19,50	19,50	21,20
	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)	0,00	MIT3-5°.S**
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Minimum order quantity 50 pieces for material numbers with availability - upon manufacturing

Example ordering code	MIT3-F20.B26	18,50	◀
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	Class 1.6 according to 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			
Process connection		G 1/4			
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		22,30	23,00	23,00	24,70
Pressure range	-1 ... 0 Bar	10288225	10288199	10288320	10288378
	0 ... 1 Bar	10288206	10288184	10288306	10288364
Price in EUR		21,30	22,00	22,00	23,70
	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		22,30	23,00	23,00	24,70
	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)	0,00	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	22,00	◀
MIT3 nominal size 63, connection center back G 1/4, Glycerin, 0...25 bar			

Availability	stock item	upon manufacturing	- not available
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MIT5

Utility pressure gauge stainless steel / brass - nominal size 100

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

Accuracy	Class 1.6 according to 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		54,10	54,10	67,40	67,40
Pressure range	-1 ...0 Bar	11195954	11195980	11195957	11195984
	0 ...1 Bar	11155864	11195959	10288395	11155887
	Price in EUR	46,10	46,10	59,40	59,40
	0 ...1.6 Bar	11195939	11195960	11195955	11195982
	0 ...2.5 Bar	11155865	11195961	10288396	11155888
	0 ...4 Bar	11155866	11155873	11195956	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	66,30	66,30	79,60	79,60
	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	59,40	◀
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	Class 2.5 (according to 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
Scale	Triple scale bar, kg/cm ² , 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		18,00	18,00	20,20	
Pressure range	0 ... 2.5 Bar	10294292	10294297	10294304	- 17
	0 ... 4 Bar	10294293	10294298	10294305	- 19
	0 ... 7 Bar	10294294	10294299	10294306	- 21
	0 ... 10 Bar	10294295	10294300	10294307	- 94
Material number ►		▲	▲	▲	▲

Example ordering code	MTR1-F40.B21	18,00	◀
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 - nominal size 50

► Please use exclusively the material number for standard products

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

Accuracy	Class 1.6 (according to 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
	Copper alloy
Connection	Copper alloy
Window	Polycarbonate, snap-fitted into the case
Ambient temperature	-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	97,70	91,50	97,70	115,00
Pressure range	-25 ...40 mbar	11014874	11128292	11195992	11196121
	-40 ...60 mbar	11196064	11196091	11195994	11196122
	Price in EUR	92,90	86,70	92,90	110,20
	-60 ...100 mbar	10293912	11196092	11195998	11196124
	Price in EUR	97,70	91,50	97,70	115,00
	0 ...60 mbar	10293900	10293929	10293888	10293953
	0 ...100 mbar	10293901	10293931	10293889	10293954
	Price in EUR	92,90	86,70	92,90	110,20
	0 ...160 mbar	10293902	10293933	10293890	11016671
	0 ...250 mbar	10293903	10293934	11195948	10293955
	0 ...400 mbar	10293905	10293935	10293891	11138953
	0 ...600 mbar	10293906	10293936	10293892	10293957
	Price in EUR	97,70	91,50	97,70	115,00
	-60 ...0 mbar	10293907	10293939	11180927	11196095
	-100 ...0 mbar	10293908	10293941	11195971	11196096
	Price in EUR	92,90	86,70	92,90	110,20
	-160 ...0 mbar	10293909	11196076	11195974	11196097
	-250 ...0 mbar	10293910	11196079	11195976	11196098
	-400 ...0 mbar	10293911	10293942	11195978	11196099
	-600 ...0 mbar	11196061	11196090	11195990	11196120
	-100 ...160 mbar	11196067	11181533	11196010	11196123
	-160 ...250 mbar	11196070	11196093	11196047	11196125
	-250 ...400 mbar	11196073	11196094	11196049	11196126
Material number ►		▲	▲	▲	▲

Process connection	1/4 NPT	0,00	MTA2-*50.N**
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Certificates (Net-Prices)		/
2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code	MTA2-F20.N10	86,70	◀
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 - nominal size 63

► Please use exclusively the material number for standard products

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

Accuracy	Class 1.6 (according to 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	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	102,40	97,80	112,50	121,60
	-25 ...40 mbar	10294003	10294093	11196129	11196147
	-40 ...60 mbar	10294004	10294094	10293975	11196175
	Price in EUR	97,30	92,70	107,40	116,50
	-60 ...100 mbar	10294007	10356079	10293976	11196177
	Price in EUR	102,40	97,80	112,50	121,60
	0 ...60 mbar	11012109	10294079	10293964	10294109
	0 ...100 mbar	11012132	10294082	10293965	10294111
	Price in EUR	97,30	92,70	107,40	116,50
	0 ...160 mbar	10293991	10294083	10293966	11099102
	0 ...250 mbar	10293992	10294084	10293967	10294112
	0 ...400 mbar	11012133	11012134	10293968	11047933
	0 ...600 mbar	10293995	10294086	10293969	10294113
	Price in EUR	102,40	97,80	112,50	121,60
	-60 ...0 mbar	10293996	10294087	10293970	11105372
	-100 ...0 mbar	10293997	10294088	10293971	10294114
	Price in EUR	97,30	92,70	107,40	116,50
	-160 ...0 mbar	10293999	10294089	11014674	11196145
	-250 ...0 mbar	10294000	10294090	10293973	10294115
	-400 ...0 mbar	10294001	10294092	10293974	10294116
	-600 ...0 mbar	10294002	11196142	11196128	11196146
	-100 ...160 mbar	10294008	10294095	11094104	11196190
	-160 ...250 mbar	10294009	11196143	10293977	11196191
	-250 ...400 mbar	11196141	11196144	11196140	11196192
Material number ►		▲	▲	▲	▲

Process connection	1/4 NPT	10,10	MTA3-*60.N**
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Certificates (Net-Prices)			/
2.1 certificate	23,00	Q001	
2.2 certificate	32,00	Q002	
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008	
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009	

Example ordering code	MTA3-F20.N11	92,70	◀
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 - nominal size 100

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

Accuracy	Class 1.6 (according to 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)
	Capsule
	Copper alloy
Connection	Copper alloy
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 ►		MTA5-D30.N**	MTA5-F30.N**	MTA5-B30.N**	MTA5-E30.N**
Pressure range	Price in EUR	141,90	140,60	161,20	153,00
	-16 ...0 mbar	10294179	11196244	10294143	11196227
	Price in EUR	132,70	131,40	152,00	143,80
	-25 ...0 mbar	10294180	11196245	10294144	11196229
	-40 ...0 mbar	10294181	10294259	10294145	11196230
	Price in EUR	141,90	140,60	161,20	153,00
	-6 ...10 mbar	10294189	11196249	11196198	11196236
	Price in EUR	132,70	131,40	152,00	143,80
	-10 ...16 mbar	10294190	11196250	10294148	11196237
	-16 ...25 mbar	10294191	11196251	11196201	11196238
	-25 ...40 mbar	-	-	-	-
	Price in EUR	103,40	102,10	122,70	114,50
	-40 ...60 mbar	10294193	11196252	11196202	11196239
	-60 ...100 mbar	11052044	11196253	11196203	11196240
	Price in EUR	124,70	123,40	144,00	135,80
	0 ...16 mbar	10294168	10294250	10294138	11196209
	0 ...25 mbar	10294169	10294251	10294139	11196220
	0 ...40 mbar	10294170	10294252	11140699	11196221
	0 ...60 mbar	-	-	-	-
	Price in EUR	103,40	102,10	122,70	114,50
	0 ...100 mbar	11012136	10294254	10294140	11196222
	0 ...160 mbar	10294175	10294255	10294141	11196207
	0 ...250 mbar	10294176	10294256	11119902	11196223
	0 ...400 mbar	10294177	10294257	11180521	11196225
	0 ...600 mbar	11012137	10294258	10294142	11196226
	Price in EUR	-	-	-	-
	-60 ...0 mbar	-	-	-	-
	Price in EUR	103,40	102,10	122,70	114,50
	-100 ...0 mbar	10294183	11196246	11196193	11196232
	-160 ...0 mbar	10294185	10294260	10294147	11196233
	-250 ...0 mbar	10294186	11196247	11196194	11196234
	-400 ...0 mbar	10294187	11196248	11196195	11196235
	-600 ...0 mbar	10294188	10294261	11196197	11014572
	-100 ...160 mbar	10294194	11196254	11196204	11196241
	-160 ...250 mbar	10294195	11196255	11196205	11196242
	-250 ...400 mbar	10294196	11196256	11196206	11196243
	Price in EUR	-	-	-	-
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting type D)			
	Bottom, 3 lugs for wall-mount	12,40	MTA5-A**.N**
Process connection			
	1/2 NPT	14,00	MTA5-6*.N**
Options (additional costs)			/
	Restrictor screw	7,60	0771
Certificates (Net-Prices)			/
	2.1 certificate	23,00	Q001
	2.2 certificate	32,00	Q002
	3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
	3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code	MTA5-D30.N06/0771	132,30	◀
	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 - nominal size 100

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

Accuracy	Class 1.6 (according to 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, stainless steel
Window	Stainless steel 1.4404 (AISI 316L)
Ambient temperature	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 ►		MTX5-D30.N**	MTX5-F30.N**	MTX5-B30.N**	MTX5-E30.N**
Pressure range	Price in EUR	199,10	237,80	265,30	254,50
	-16 ...0 mbar	10294381	11196182	11196137	11196169
	Price in EUR	185,70	224,40	251,90	241,10
	-25 ...0 mbar	10294382	11083607	11105847	11196180
	-40 ...0 mbar	11129968	11196210	11196138	11196181
	Price in EUR	199,10	237,80	265,30	254,50
	-6 ...10 mbar	10294390	11196219	11196152	11196187
	Price in EUR	185,70	224,40	251,90	241,10
	-10 ...16 mbar	10294391	11196260	11196153	11196188
	-16 ...25 mbar	10294392	10358907	11196154	11196189
	-25 ...40 mbar	-	-	-	-
	Price in EUR	148,10	186,80	214,30	203,50
	-40 ...60 mbar	10294394	10294480	11196155	11196211
	-60 ...100 mbar	10294396	11196261	11196156	11196212
	Price in EUR	190,60	229,30	256,80	246,00
	0 ...16 mbar	10294368	11196159	11196135	11196160
	Price in EUR	177,60	216,30	243,80	233,00
	0 ...25 mbar	10294369	11105852	10294337	11196161
	0 ...40 mbar	10294370	10294472	11044055	11196162
	0 ...60 mbar	-	-	-	-
	Price in EUR	148,10	186,80	214,30	203,50
	0 ...100 mbar	10294373	10294474	10294339	11196164
	0 ...160 mbar	10294374	10294475	10358900	11196165
	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	-	-	-	-
	Price in EUR	148,10	186,80	214,30	203,50
	-100 ...0 mbar	10294384	11105851	11015952	11196183
	-160 ...0 mbar	10294385	11196216	11196139	11196184
	-250 ...0 mbar	10294386	10294479	11105849	11147173
	-400 ...0 mbar	10294387	11196217	11196150	11196185
	-600 ...0 mbar	10294388	11196218	11196151	11196186
	-100 ...160 mbar	10294398	11050827	11196157	11196213
	-160 ...250 mbar	10294399	11196262	11196158	11196136
	-250 ...400 mbar	10294400	11050902	10294344	11196159
Material number ►		▲	▲	▲	▲

Mounting type connection (surcharge to mounting typ D)	
Bottom, 3 lugs for wall-mount	16,30 MTX5-A**.N**

Process connection	
1/2 NPT	19,10 MTX5-6*.N**

Options (additional costs)	
Restrictor screw	7,60 0771

Certificates (Net-Prices)	
2.1 certificate	23,00 Q001
2.2 certificate	32,00 Q002
3.1 material certificate	48,00 Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00 Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00 Q009

Example ordering code	
MTX5-D60.N09	167,20
MTX5 nominal size 100, connection bottom 1/2 NPT, dry, 0...160 mbar	

Availability	stock item	upon manufacturing	- not available
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DK100

Capsule 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	Class 1.6 (according to EN 837-3)
Protection rating	IP41 (EN 60529)
Housing	Stainless steel 1.4301 (AISI 304)
	DIN case, bajonet
Measuring element	Capsule
	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 ►	DK100-211.111.***	DK100-212.111.***	-	*** ▼
Price in EUR	91,70	91,70	-	-
Pressure range	0 ... 25 mbar	11196034	11196112	096
	0 ... 40 mbar	11196038	11196113	106
	0 ... 60 mbar	11196050	11196114	116
	0 ... 100 mbar	11196052	11196115	126
	0 ... 160 mbar	11196085	11196116	136
	0 ... 250 mbar	11196087	11196117	146
	0 ... 400 mbar	11196089	11196118	156
Price in EUR	106,10	106,10	-	-
	-40 ... 0 mbar	11196101	11196119	386
	-60 ... 0 mbar	11196102	11196130	396
	-100 ... 0 mbar	11196105	11196131	406
Price in EUR	106,10	106,10	-	-
	-160 ... 0 mbar	11196107	11196132	416
	-250 ... 0 mbar	11196109	11196133	426
	-400 ... 0 mbar	11196111	11196134	436
Material number ►	▲	▲	▲	▲

Mounting type connection (surcharge)

Bottom, 3 lugs for wall-mount	27,00	DK100-231.***.***
Rear, front ring for panel-mount, 3 mounting holes	43,00	DK100-222.***.***
Rear, front ring and mounting element for panel-mount	43,00	DK100-252.***.***

Certificates (Net-Prices)

		/
2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code	DK100-211.111.136	91,70	◀
DK100 nominal size 100, connection bottom, G 1/2, 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	Class 1.6
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	152,60	191,50	-	-
Pressure range	0 ... 2.5 Bar	10260734	11209978	-
	0 ... 4 Bar	10320209	10320192	-
	0 ... 6 Bar	10320211	10345057	-
	0 ... 10 Bar	10320212	11209979	-
	0 ... 16 Bar	10345045	11210000	-
Material number ►	▲	▲	▲	▲

Certificates (Net-Prices)				/
	2.1 certificate	23,00		Q001
	2.2 certificate	32,00		Q002
	3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00		Q008
	3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00		Q009

Example ordering code	DRD100-111.911.065	152,60	◀
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 clamp DN38

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

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



Nominal size		Ø 63 mm			
Process connection / Diaphragm		Clamp DN38 (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		291,70	294,40	295,50	298,20
Pressure range	-1 ...3 Bar	11208794	11208828	11176558	11208856
	-1 ...5 Bar	11208795	11208829	11204416	11208857
	-1 ...9 Bar	11208816	11208830	11176578	11208858
	-1 ...15 Bar	11208817	11208831	11208851	11208859
	-1 ...24 Bar	11208818	11208832	11208852	11208860
Price in EUR		304,20	306,90	308,00	310,70
Price in EUR	0 ...2.5 Bar	11208819	11208833	11208853	11208862
	0 ...4 Bar	11208820	11208835	11208854	11208863
	0 ...6 Bar	11208821	11208836	11176579	11208864
Price in EUR		286,70	289,40	290,50	293,20
Price in EUR	0 ...10 Bar	11208822	11208837	11176580	11208865
	0 ...16 Bar	11208825	11208838	11176581	11208866
	0 ...25 Bar	11208826	11208839	11176582	11208867
	0 ...40 Bar	11208827	11208850	11208855	11208868
Material number		▲	▲	▲	▲

Options (additional costs)			/
Laminated safety glass		1,60	0751
Friction pointer adjustable		1,50	0679
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)		3,60	0078

Certificates (Net-Prices)			
2.1 certificate		23,00	Q001
2.2 certificate		32,00	Q002
3.1 material certificate (incl.)		0,00	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing		42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing		54,00	Q009

Example ordering code	MEX3-D21.B20.DANC01.2H2A.01/0753_Q003	296,20
MEX3 nominal size 63, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal Clamp DN38		
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 DN51

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

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



Nominal size		Ø 63 mm			
Process connection / Diaphragm		Clamp DN51 (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		356,20	358,90	360,00	362,70
Pressure range		-1 ... 1.5 Bar	11208891	11208911	11208928
					11208938
Price in EUR		336,80	339,50	340,60	343,30
		-1 ... 3 Bar	11208892	11208912	11176583
		-1 ... 5 Bar	11208893	11208913	11208929
		-1 ... 9 Bar	11208894	11208914	11176584
		-1 ... 15 Bar	11208895	11208915	11208930
		-1 ... 24 Bar	11208896	11208916	11208931
Price in EUR		349,30	352,00	353,10	355,80
		0 ... 1 Bar	11208899	11208917	11208933
		0 ... 1.6 Bar	11289900	11208918	11208934
		0 ... 2.5 Bar	11208901	11208919	11208935
Price in EUR		337,50	340,20	341,30	344,00
		0 ... 4 Bar	11208902	11208920	11208936
		0 ... 6 Bar	11208905	11208922	11176585
Price in EUR		331,80	334,50	335,60	338,30
		0 ... 10 Bar	11208906	11208923	11176586
		0 ... 16 Bar	11208907	11208924	11176587
		0 ... 25 Bar	11208909	11208925	11176588
		0 ... 40 Bar	11208910	11208927	11208937
Material number		▲	▲	▲	▲

Options (additional costs)			/
Laminated safety glass		1,60	0751
Friction pointer adjustable		1,50	0679
ATEX CE II 2 GDC-IM2c (only with option laminated safety glass)		3,60	0078

Certificates (Net-Prices)			
2.1 certificate		23,00	Q001
2.2 certificate		32,00	Q002
3.1 material certificate (incl.)		0,00	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing		42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing		54,00	Q009

Example ordering code	MEX3-D21.B20.DANC02.2H2A.01/0753_Q003	341,30
MEX3 nominal size 63, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal Clamp DN51		
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 DN38

► Please use exclusively the material number for standard products

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

Accuracy	Class 1.0 (according to EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	DIN case, bajonet
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 DN38 (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		314,70	332,70	333,10	351,10
Pressure range	-1 ... 5 Bar	11208965	11208975	11208985	11208989
	-1 ... 9 Bar	11208966	11208976	11176589	11208990
	-1 ... 15 Bar	11208967	11208977	11208986	11208991
	-1 ... 24 Bar	11208968	11208978	11208987	11208992
	Price in EUR	309,30	327,30	327,70	345,70
	0 ... 6 Bar	11208969	11208979	11176590	11208993
	0 ... 10 Bar	11208970	11208981	11176591	11208996
	0 ... 16 Bar	11208971	11208982	11176592	11209004
	0 ... 25 Bar	11208973	11208983	11176593	11209009
	Price in EUR	326,80	344,80	345,20	363,20
	0 ... 40 Bar	11208974	11208984	11208988	11209013
Material number		▲	▲	▲	▲

Options (additional costs)			/
	Laminated safety glass	4,40	0751
	Micro adjustable pointer (P > 1.6 bar)	3,60	0678
	ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)	3,60	0078
	Blow out disc at the back	7,70	0760
	Restrictor screw	7,60	0771
	Measuring element (free of oil and grease)	14,10	0764
	Silicone-free with mark on dial	12,30	0794
	Adjustable pointer on dial (only without glycerin filling)	9,00	0051
	Adjustable pointer on window	27,30	0053

Certificates (Net-Prices)			
	2.1 certificate	23,00	Q001
	2.2 certificate	32,00	Q002
	3.1 material certificate (incl.)	0,00	Q003
	3.1 calibration certificate - 5 points increasing, 1 point decreasing	42,00	Q008
	3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing	54,00	Q009

Example ordering code	MEX5-D31.B20.DANC01.2L2A.01/0753_Q003	327,70	◀
	MEX5 nominal size 100, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal Clamp DN38		
	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 DN51

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

Accuracy	Class 1.0 (according to EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	DIN case, bajonet
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 DN51 (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**
		DANC02.2L2A.01/0753_Q003			
Price in EUR		359,80	377,80	378,20	396,20
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	374,90	392,90	393,30	411,30
	0 ... 1.6 Bar	11209021	11209054	11209066	11209134
	0 ... 2.5 Bar	11209022	11209055	11209067	11209135
	Price in EUR	354,40	372,40	372,80	390,80
	0 ... 4 Bar	11209023	11209056	11209068	11209136
Pressure range	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	371,90	389,90	390,30	408,30
	0 ... 40 Bar	11209028	11209061	11209069	11209143
	Price in EUR				
Material number ►		▲	▲	▲	▲

Options (additional costs)			/
Laminated safety glass		4,40	0751
Micro adjustable pointer (P > 1.6 bar)		3,60	0678
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)		3,60	0078
Blow out disc at the back		7,70	0760
Restrictor screw		7,60	0771
Measuring element (free of oil and grease)		14,10	0764
Silicone-free with mark on dial		12,30	0794
Adjustable pointer on dial (only without glycerin filling)		9,00	0051
Adjustable pointer on window		27,30	0053

Certificates (Net-Prices)			
2.1 certificate		23,00	Q001
2.2 certificate		32,00	Q002
3.1 material certificate (incl.)		0,00	Q003
3.1 calibration certificate - 5 points increasing, 1 point decreasing		42,00	Q008
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing		54,00	Q009

Example ordering code	MEX5-D31.B20.DANC02.2L2A.01/0753_Q003	372,80	◀
MEX5 nominal size 100, bottom connection, Glycerin, 0... 6 bar, with diaphragm seal Clamp DN51			
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 G 1/2

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

Accuracy	Class 1.0 (according to EN 837-1)
Protection rating	IP65 (EN 60529)
Case and bezel ring	Stainless steel 1.4301 (AISI 304)
	DIN case, bajonet
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		328,50	346,50	346,90	364,90
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	343,60	361,60	362,00	380,00
	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	323,10	341,10	341,50	359,50
	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	340,60	358,60	359,00	377,00
	0 ... 40 Bar	11106036	11209170	11174446	11209185
	Price in EUR				
Material number		▲	▲	▲	▲

Options (additional costs)			/
Laminated safety glass		4,40	0751_
Window polycarbonate		10,90	0753_
Micro adjustable pointer (P > 1.6 bar)		3,60	0678_
ATEX CE II 2 GDc-IM2c (only with option laminated safety glass)		3,60	0078_
Blow out disc at the back		7,70	0760_
Restrictor screw		7,60	0771_
Measuring element (free of oil and grease)		14,10	0764_
Silicone-free with mark on dial		12,30	0794_
Adjustable pointer on dial (only without glycerin filling)		9,00	0051_
Adjustable pointer on window		27,30	0053_

Certificates (Net-Prices)			
2.1 certificate		23,00	Q001_
2.2 certificate		32,00	Q002_
3.1 material certificate		48,00	Q003_
3.1 calibration certificate - 5 points increasing, 1 point decreasing		42,00	Q008_
3.1 calibration certificate EN 837 - 5 points increasing, 5 points decreasing		54,00	Q009_

Example ordering code	MEX5-D31.B20.DT2-2L20.0.230.01	341,50
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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A solution for every application. Choose Bourdon® pressure gauges.

Contact pressure gauges



Diaphragm pressure gauges



Differential pressure gauges



Test 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.

Please don't hesitate to contact us.

We should be pleased to draw up the best offer for you.

 **Bourdon**
Baumer Group

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	32,90	34,80	34,80	103,70
	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
	N 05009.0000	N 05009.9001	N 05009.0002	N 05009.0003
Price in EUR	44,50	46,50	48,20	132,60
	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
	N 05010.0000	N 05010.9078	N 05010.0002	N 05010.0003
Price in EUR	65,80	92,30	68,70	176,50
	10325758	10347593	10296197	10325768

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



Material	Brass	MS chrome-plated	Steel	Stainless steel
	N 05008.9000	-	-	N 05008.9003
Price in EUR	134,90	-	-	189,00
	10325853	-	-	10325861

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



Material	Brass	MS complet	Steel	Stainless steel
	N 05008.9100	-	-	N 05008.9101
Price in EUR	64,80	-	-	128,10
	10347584	-	-	10347585

Material number ►

▲	▲	▲	▲
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Example ordering code	N 05009.0000	44,50
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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	26,90	-	66,20	85,20
	10296192	-	10325840	10296193

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



Material	Brass	-	Steel	Stainless steel
	N 05003.0000	-	-	-
Price in EUR	21,50	-	-	-
	10296189	-	-	-

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



Material	Brass	-	Steel	Stainless steel
	N 05004.0000	-	-	-
Price in EUR	20,90	-	-	-
	10296190	-	-	-

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



Material	Brass	-	Steel	Stainless steel
	N 05007.0000	-	-	N 05007.9003
Price in EUR	34,30	-	-	129,60
	10296194	-	-	10347581

G 1/2 female / female with push button actuation



Material	Brass	MS nickel-plated	Steel	Stainless steel
	-	D 11727.0000	-	-
Price in EUR	-	20,30	-	-
	-	10265944	-	-

G 1/2 female / union nut



Material	Brass	-	Steel	Stainless steel
	D 11724.0000	-	-	-
Price in EUR	28,10	-	-	-
	10324554	-	-	-

Material number ►

▲	▲	▲	▲
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Example ordering code	N 05007.0000	34,30
	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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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	-	-	31,80	124,40
		-	-	10296202	10296203

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

	Material	-	-	Steel	Stainless steel
		-	-	N 05013.0002	N 05013.0003
	Price in EUR	-	-	25,90	103,80
		-	-	10296204	10296205

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

	Material	-	-	Steel	Stainless steel
		-	-	N 05014.0000	N 05014.0001
	Price in EUR	-	-	31,70	132,50
		-	-	10325854	10296206

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

	Material	-	-	Steel	Stainless steel
		-	-	N 05014.0002	N 05014.0003
	Price in EUR	-	-	25,90	103,70
		-	-	10296207	10296208

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

	Material	-	-	Steel	Stainless steel
		-	-	J 66867.0001	-
	Price in EUR	-	-	16,90	-
		-	-	10325437	-

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

	Material	-	-	Steel	-
		-	-	J 89996.0206	-
	Price in EUR	-	-	31,80	-
		-	-	10271366	-

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

	Material	-	-	Steel	Stainless steel
		-	-	J 89996.0206	J 89996.0207
	Price in EUR	-	-	26,00	103,80
		-	-	10347220	10347221

Material number ►	▲	▲	▲	▲
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Example ordering code	N 05013.0003	103,80
Welding end / adjusting nut G 1/2, U type siphons DIN 16282, stainless steel		

Availability	stock item	upon manufacturing	- not available
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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	-	-	20,00	54,80
	-	-	10347217	10325460

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



Material	-	-	Steel	Stainless steel
Price in EUR	-	-	J 89996.0088	J 89996.0089
	-	-	20,30	66,30
	-	-	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
Price in EUR	N 01890.0102	N 01890.0106	N 01890.0108	N 01890.0110
	0,40	0,40	0,60	0,40
	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
Price in EUR	N 01890.0002	N 01890.0006	N 01890.0008	N 01890.0010
	0,80	2,50	2,50	0,50
	10325777	10329829	10310390	10329830

Material number ►

▲	▲	▲	▲
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Example ordering code	N 01890.0110	0,40
	Gasket for G 1/2 / M20 x 1.5, material Novapress	

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	20,50	-	21,20	56,40
		10265931	-	10265932	10265933

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

	Material	Brass	-	Steel	Stainless steel
		-	-	N 05015.0000	N 05015.0001
	Price in EUR	-	-	4,30	13,90
		-	-	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	5,90	-	7,10	15,00
		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	14,20	-	13,80	22,80
		10310132	-	10354800	10310133

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

	Material	Brass	-	Steel	Stainless steel
		J 65902.0241	-	-	J 65902.0243
	Price in EUR	15,20	-	-	38,40
		10329770	-	-	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	17,90	-	42,40	51,90
		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	31,40	-	51,20	60,10
		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	8,90	-	10,10	26,00
		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	8,90	-	10,10	26,00
		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	47,40	-	61,40	145,40
		10263832	-	10324136	10324137

Material number ►

▲	▲	▲	▲
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Availability

stock item

upon manufacturing

- not available

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	Brass	-	Steel	Stainless steel
	Ordering code ►	-	-	A 07250.0008	A 07250.0009
	Price in EUR	-	-	46,20	110,30
		-	-	10329630	10346757

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

	Material	Brass	-	Steel	Stainless steel
	Ordering code ►	-	-	A 07250.0010	A 07250.0011
	Price in EUR	-	-	46,20	110,30
		-	-	10346758	10346759

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

	Material	Brass	-	Steel	Stainless steel
	Ordering code ►	-	-	A 07250.0012	A 07250.0013
	Price in EUR	-	-	46,20	110,30
		-	-	10346760	10329638

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

	Material	Brass	-	Steel	Stainless steel
	Ordering code ►	-	-	A 07250.0014	A 07250.0015
	Price in EUR	-	-	46,20	110,30
		-	-	10329639	10329640

Support

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	16,00	25,60	22,40	-
		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	8,80	-	9,10	28,20
		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 appli- cation.



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.

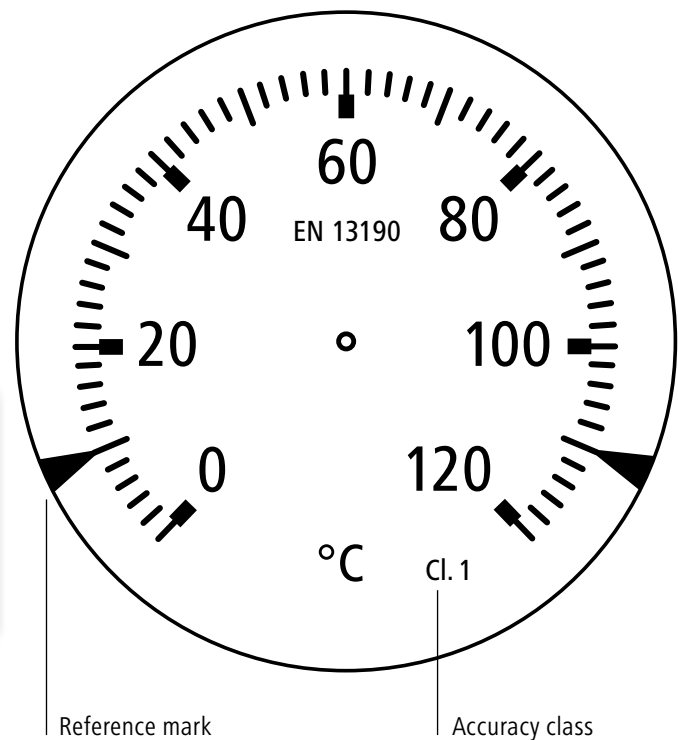
Example:

Bimetalthermometer, Class 1,

display range 0 ... + 120 °C

Measuring range: +10 ... +110 °C

Margin of error: ± 2 °C



Measuring accuracy of thermometers in accordance with EN 13190

Display range in °C	Measuring range °C	Margins of error $\pm$ °C	
		Class 1	Class 2
-20 to +40	-10 to +30	1	2
-20 to +60	-10 to +50	1	2
-20 to +120	-10 to +110	2	4
-30 to +30	-20 to +20	1	2
-30 to +50	-20 to +40	1	2
-30 to +70	-20 to +60	1	2
-40 to +40	-30 to +30	1	2
-40 to +60	-30 to +50	1	2
-100 to +60	-80 to +40	2	4
0 to 60	10 to 50	1	2
0 to 80	10 to 70	1	2
0 to 100	10 to 90	1	2
0 to 120	10 to 110	2	4
0 to 160	20 to 140	2	4
0 to 200	20 to 180	2	4
0 to 250	30 to 220	2.5	5
0 to 300	30 to 270	5	10
0 to 400	50 to 350	5	10
0 to 500	50 to 450	5	10
0 to 600	100 to 500	10	15
0 to 700	100 to 600	10	15
50 to 650	150 to 550	10	15
100 to 700	200 to 600	10	15

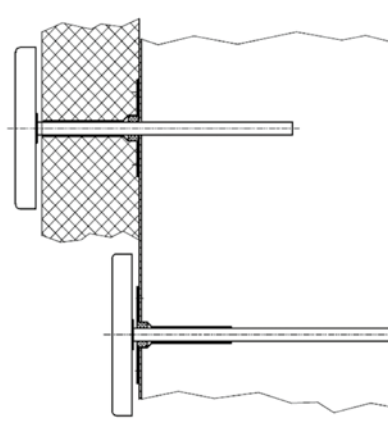
Installation example for thermometer with insulation.

Installation in airducts

Installation sleeves type ZTH for installation in airducts

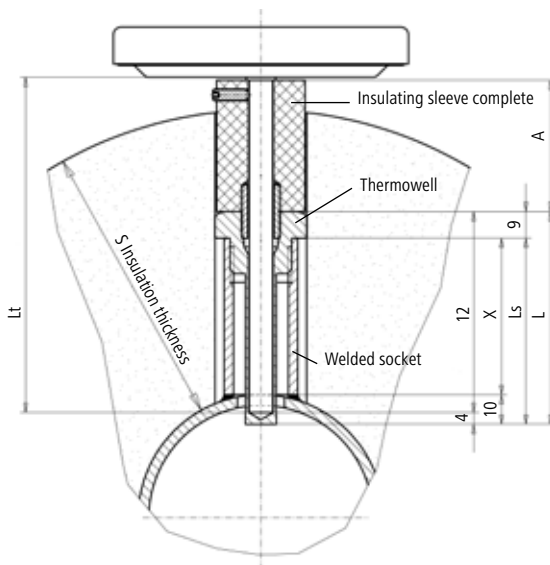
Recommendation:

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



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:

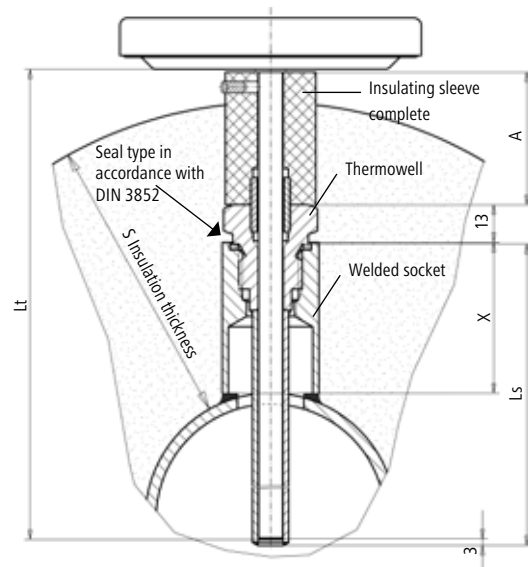


Version 1:

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 100 mm with screw-in thermowell:

1. Thermowell	Ls	60 mm
2. Insulating sleeve	A	44 mm
3. Thermometer	Lt	100 mm

TBB 080 / TBB 100

Bimetalthermometer including thermowell



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

Protection rating	IP33 (EN 60529)
Housing	Plastic ABS
Window	Plastic
Measurement ranges	-20°C ... 120°C
Immersion tube diameter	Ø 8 mm
Thermowell	Brass (included in price)
Thermowell with thread	G 1/2

Nominal size		Ø 80 mm			
Immersion tube, material		Brass			
Immersion tube length		40 mm	63 mm		
Immersion tube outlet		rear	rear		
					
Ordering code ►		TBB080-152.151.***	TBB080-152.152.***	-	***▼
Temperature range	Price in EUR				
	-20 ... 60 °C	-	-	-	54T
	Price in EUR	16,60	-	-	
	0 ... 60 °C	11173945	-	-	11T
Price in EUR	0 ... 120 °C	16,60	16,60	-	20T
		11173941	11173947	-	
Material number		▲	▲	▲	▲

Nominal size		Ø 100 mm				
Immersion tube, material		Brass				
Immersion tube length		63 mm	100 mm (4 ")	150 mm		
Immersion tube outlet		rear	rear	rear		
						
Ordering code ►		-	TBB100-152.152.***	TBB100-152.153.***	TBB100-152.154.***	***▼
Temperature range	Price in EUR	-	-	22,10	-	
	-20 ... 60 °C	-	-	11173952	-	54T
	Price in EUR	-	-	-	-	
	0 ... 60 °C	-	-	-	-	11T
Price in EUR	0 ... 120 °C	-	22,10	22,10	22,10	20T
		-	11173948	11173950	11173951	
Material number ►		▲	▲	▲	▲	

Example ordering code	TBB100-152.152.20T	22,10	◀
TBB Bimetalthermometer nominal size 100, immersion tube outlet center back, tube length 63 mm, material brass			
Immersion tube diameter 8 mm, temperatur range 0...120°C			

Availability	stock item	upon manufacturing	- not available
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TBH 80

Bimetalthermometer for tube size < 2"



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

Accuracy	Class 1 (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	57,30	57,30		
Temperature range	-10 ...30 °C	10321300	11196176	53T
	0 ...40 °C	10260905	10321226	10T
Price in EUR	50,60	50,60	50,60	
	-20 ...40 °C	10321251	10321301	52T
	-20 ...60 °C	11185773	10321184	54T
Price in EUR	39,50	39,50	39,50	
	0 ...60 °C	10260903	10321302	11T
	0 ...80 °C	10321276	10321199	27T
	0 ...100 °C	10321258	10321303	12T
	0 ...120 °C	10260904	10321304	20T
Price in EUR	50,60	50,60	50,60	
	0 ...250 °C	10321259	10321183	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	8,40	9,50	24,40
	10298554	10298555	10326389
Price in EUR	T 09143.0005	T 09143.0006	T 09143.0007
Stainless steel	26,70	38,00	52,10
	10326421	10298556	10326422

Thermowell with welded connection *



Price in EUR	T 09144.0000	T 09144.0001	T 09144.0002
Steel	20,50	22,50	24,50
	10326459	10326460	10326461
Price in EUR	T 09144.0005	T 09144.0006	T 09144.0007
Stainless steel	42,10	44,20	49,00
	10298557	10326462	10326500

Thermowell with welded connection complet with weld piece



Price in EUR	T 09310.0000	T 09310.0001	T 09310.0002
Steel	27,50	30,50	33,50
	10326753	10326754	10326795
Price in EUR	T 09310.0005	T 09310.0006	T 09310.0007
Stainless steel	77,10	81,20	96,00
	10326796	10326797	10326798

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

Example ordering code	TBH080-212.153.12T	39,50
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
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TBH 100

Bimetal thermometer for tube size < 2"



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

Accuracy	Class 1 (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			57,30	57,30	
Temperature range	-10 ...30 °C	-	10321205	10321272	53T
	0 ...40 °C	-	10321228	10321274	10T
	Price in EUR	50,60	50,60	50,60	
	-20 ...40 °C	10321253	10260910	10321265	52T
	-20 ...60 °C	11170915	10260914	10321291	54T
	Price in EUR	39,50	39,50	39,50	
	0 ...60 °C	10260908	10260911	10321266	11T
	0 ...80 °C	10321286	10321215	10321273	27T
	0 ...100 °C	10321260	10260912	10321267	12T
	0 ...120 °C	10260909	10260913	10260915	20T
	Price in EUR	50,60	50,60	50,60	
	0 ...250 °C	10321261	10321186	10321271	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	8,40	9,50	24,40	-
	10298554	10298555	10326389	-
Price in EUR	T 09143.0005	T 09143.0006	T 09143.0007	-
Stainless steel	26,70	38,00	52,10	-
	10326421	10298556	10326422	-

Thermowell with welded connection *



Price in EUR	T 09144.0000	T 09144.0001	T 09144.0002	-
Steel	20,50	22,50	24,50	-
	10326459	10326460	10326461	-
Price in EUR	T 09144.0005	T 09144.0006	T 09144.0007	-
Stainless steel	42,10	44,20	49,00	-
	10298557	10326462	10326500	-

Thermowell with welded connection complet with weld piece



Price in EUR	T 09310.0000	T 09310.0001	T 09310.0002	-
Steel	27,50	30,50	33,50	-
	10326753	10326754	10326795	-
Price in EUR	T 09310.0005	T 09310.0006	T 09310.0007	-
Stainless steel	77,10	81,20	96,00	-
	10326796	10326797	10326798	-

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

Example ordering code	TBH100-212.153.12T	39,50	◀
TBH100 Bimetal thermometer 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, immersion tube brass

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

Accuracy	Class 1 (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		47,00	47,00	53,30	61,60
Temperature range	-10 30 °C	10320557	11089996	-	53T
	-20 40 °C	10320505	10320563	10320611	52T
	-20 ...60 °C	10320558	10320593	11196040	54T
	Price in EUR	42,30	42,30	48,60	56,90
	0 ...40 °C	10320521	10320603	-	10T
	0 ...60 °C	10320506	10320564	10320612	11T
	0 ...80 °C	10320522	10320572	11053378	27T
	0 ...100 °C	10320507	10320565	10320623	12T
	0 ...120 °C	10320508	10260845	10320624	20T
	0 ...160 °C	10320509	10320570	10320625	13T
	Price in EUR	47,00	47,00	53,30	61,60
	0 ...200 °C	10320511	11008697	11196019	22T
	0 ...250 °C	10320510	10320571	10320626	14T
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			
	T 09143.0101	T 09143.0102	-	-
Price in EUR	12,70	12,70	-	-
Brass	10347699	10347700	-	-

Thermowell with threaded connection with sliding connection

	G 1/2 male thread			
	T 08410.0101	T 08410.0102	T 08410.0103	T 08410.0104
Price in EUR	20,90	20,90	36,60	50,60
Brass	10298534	10330164	10326329	10326330
	T 08410.0201	T 08410.0202	T 08410.0203	T 08410.0204
Price in EUR	24,10	24,10	40,70	-
Steel	10330166	10326376	10326377	-
	T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
Price in EUR	63,80	63,80	73,00	88,00
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	22,70	27,80	40,60	114,10
Steel	10330190	10326602	10330191	10326604
	T 08416.0201	T 08416.0202	T 08416.0203	T 08416.0204
Price in EUR	63,70	72,90	87,70	135,60
Stainless steel 1.4404 / 1.4571	10326637	10298538	10326638	10326639

Material number ►	▲	▲	▲	▲
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Thermowells and accessories see page 61

Example ordering code	TB080-212.156.20T	48,60
TB Bimetalthermometer nominal size 80, 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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TB 100

Bimetalthermometer, immersion tube brass

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

Accuracy	Class 1 (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		47,00	47,00	53,30	61,60
Temperature range	-10 30 °C	10320933	10320935	-	-
	-20 40 °C	10320718	10320810	10320708	10320785
	-20 ...60 °C	10320907	10320800	10260866	10320783
	-30 ...30 °C	10320716	10320808	10320697	11089638
	-30 ...70 °C	10320717	10320809	10345731	10320784
	Price in EUR	42,30	42,30	48,60	56,90
	0 ...40 °C	10320847	10320848	-	-
	0 ...60 °C	10320739	10320811	10260852	10260856
	0 ...80 °C	10320949	10320936	10320824	10320792
	0 ...100 °C	10320740	10320812	10260853	10320788
	0 ...120 °C	10320741	10260851	10320709	10320789
	0 ...160 °C	10320742	10320655	10320719	10320790
	Price in EUR	47,00	47,00	53,30	61,60
	0 ...200 °C	10320891	10320839	10320857	10320690
	0 ...250 °C	10320743	10320656	10320720	10320791
Material number ►		▲	▲	▲	▲

Thermowell for TB100 thermometer

Immersion tube length	100 mm (4 ")	160 mm	250 mm	400 mm
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Thermowell with fixing screw

Ordering code ►		G 1/2 male thread			
Price in EUR		T 09143.0101	T 09143.0102	-	-
Brass		12,70	12,70	-	-
		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		20,90	20,90	36,60	50,60
		10298534	10330164	10326329	10326330
Price in EUR		T 08410.0201	T 08410.0202	T 08410.0203	-
Steel		24,10	24,10	40,70	-
		10330166	10326376	10326377	-
Price in EUR		T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
Stainless steel 1.4404 / 1.4571		63,80	63,80	73,00	88,00
		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		22,70	27,80	40,60	114,10
Steel		10330190	10326602	10330191	10326604
Price in EUR		T 08416.0201	T 08416.0202	T 08416.0203	T 08416.0204
Stainless steel 1.4404 / 1.4571		63,70	72,90	87,70	135,60
		10326637	10298538	10326638	10326639
Material number ►		▲	▲	▲	▲

Thermowells and accessories see page 61

Example ordering code	TB100-212.156.20T	48,60
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	Class 1 (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	71,60	71,60			
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	71,60	71,60			
Temperature range	-20 ... 40 °C		-	-	52T
Material number ►	▲	▲	▲	▲	

Thermowell for TBH thermometer

Immersion tube length	80 mm	100 mm (4 ")		-
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Thermowell with threaded connection *

	G 1/2 male thread			
	T 09143.5003	T 09143.5001	-	-
Price in EUR	10,20	12,50	-	-
Brass	10328857	10326423	-	-
	T 09143.5004	T 09143.5002	-	-
Price in EUR	48,20	54,10	-	-
Stainless steel	11053278	10326424	-	-

Thermowell with welded connection *

	T 09178.0001	T 09178.0005	-	-
Price in EUR	14,50	58,90	-	-
Steel	10326610	10326612	-	-
	T 09178.0000	T 09178.0006	-	-
Price in EUR	19,80	32,40	-	-
Stainless steel	10326609	10326613	-	-

Insulating sleeve, material PVC, Length

	25 mm			
	T 09362.0003	-	-	-
Price in EUR	22,50	-	-	-
	10326708	-	-	-

Material number ►	▲	▲	▲	▲
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Example ordering code	TBH080-212.150.52T	71,60	◀
	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	Class 1 (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
Immersion tube material	Stainless steel 1.4571 (316ti)
Mounting socket	Zinc cast, included in scope of delivery

Nominal size		Ø 80 mm			
Immersion tube material		Stainless steel 1.4571 (316ti)			
Sensor length		55 mm	75 mm	95 mm	115 mm
Immersion 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	71,90	71,90	79,80	85,30
	-20 40 °C	10321443	10260921	11124709	10321335
	Price in EUR	64,00	64,00	71,90	77,40
	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
	0 ...160 °C	10321442	10321320	11196224	11196231
Material number ►		▲	▲	▲	▲

Nominal size		Ø 100 mm			
Immersion tube material		Stainless steel 1.4571 (316ti)			
Sensor length		55 mm	75 mm	95 mm	115 mm
Immersion 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	71,90	71,90	79,80	85,30
	-20 40 °C	10321344	10321387	10321431	10321446
	Price in EUR	64,00	64,00	71,90	77,40
	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
	0 ...160 °C	10321343	10321386	10321430	10321445
Material number ►		▲	▲	▲	▲

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	3,60	4,00	-	-
	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	12,20	14,00	20,40	25,30
	10298558	10298559	10326701	10326702

Material number ►	▲	▲	▲	▲
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Example ordering code	TBHA080-212.162.12T	64,00	◀
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	Class 1 (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 ►	TBL 100-232.151.***	-	-	-	*** ▼
Price in EUR	40,70				
Temperature range	-30 50 °C	10328450	-	-	70T
	-20 ...60 °C	10321130	-	-	54T
	0 ...80 °C	10260887	-	-	27T
	0 ...100 °C	10318405	-	-	12T
Material number ►	▲	▲	▲	▲	

Example ordering code	TBL100-232.151.27T	40,70	◀
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
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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		69,50	79,40	81,00	97,20
Temperature range	-10 30 °C	11089997	11196044	-	53T
	-20 40 °C	10320523	11161215	11196062	52T
	-20 ...60 °C	11099262	11166645	11111374	54T
	-30 ...30 °C	11115105	11196045	11196063	61T
	-30 ...70 °C	11196042	10320577	11196060	51T
	Price in EUR	64,80	74,70	76,30	92,50
	0 ...40 °C	10320542	10320823	-	10T
	0 ...60 °C	10320524	11010523	10320631	11T
	0 ...80 °C	10320550	11196043	11006261	27T
	0 ...100 °C	10320531	11012242	11196046	12T
	0 ...120 °C	10320532	10320578	10320632	20T
	0 ...160 °C	11196041	10320579	11091641	13T
	Price in EUR	69,50	79,40	81,00	97,20
	0 ...200 °C	10320591	10320592	11196048	22T
	0 ...250 °C	10320533	10320580	11129227	14T
	0 ...400 °C	10320534	10320585	10260846	15T
	100 ...500 °C	10320535	10320586	10320502	30T
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

		G 1/2 male thread			
	Price in EUR	T 08410.0301 63,80	T 08410.0302 63,80	T 08410.0303 73,00	T 08410.0304 88,00
	Stainless steel 1.4404 / 1.4571	10298535	10298536	10326450	10298537

Thermowell with welded connection with sliding connection

		T 08416.0201 63,70	T 08416.0202 72,90	T 08416.0203 87,70	T 08416.0204 135,60
	Stainless steel 1.4404 / 1.4571	10326637	10298538	10326638	10326639

Material number ►	▲	▲	▲	▲
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Thermowells and accessories see page 61

Example ordering code	TB080-212.166.20T	76,30	◀
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		69,50	79,40	81,00	97,20
Temperature range	-10 30 °C	10320761	10320763	-	53T
	-20 40 °C	10320728	10320644	10320721	52T
	-20 ...60 °C	10320762	10320822	10320639	54T
	-30 ...30 °C	10320726	10320657	11093443	61T
	-30 ...70 °C	10320727	10320658	10260854	51T
	Price in EUR	64,80	74,70	76,30	92,50
	0 ...40 °C	10320950	10320929	-	10T
	0 ...60 °C	10260848	10320645	10260855	11T
	0 ...80 °C	10320851	10320686	10320747	27T
	0 ...100 °C	10260849	10320646	10320729	12T
	0 ...120 °C	10260850	10320647	10320730	20T
	0 ...160 °C	10320757	10320648	10320731	13T
	Price in EUR	69,50	79,40	81,00	97,20
	0 ...200 °C	10320999	10320770	10320771	22T
	0 ...250 °C	10320758	10320662	10320732	14T
	0 ...400 °C	10320759	10320663	10320745	15T
	100 ...500 °C	10320760	10320664	10320746	30T
Material number ►		▲	▲	▲	▲

Thermowell for TB100 thermometer

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



G 1/2 male thread			
T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
63,80	63,80	73,00	88,00
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
63,70	72,90	87,70	135,60
Stainless steel 1.4404 / 1.4571	10326637	10298538	10326638
			10326639

Material number ►	▲	▲	▲	▲
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Thermowells and accessories see page 61

Example ordering code	TB100-212.164.10T	74,70	◀
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
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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	Class 1 (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)					
Connection							
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		113,60	118,30	125,90	137,30		
Temperature range	-10 30 °C	11126074	10327178	-	-	53T	
	-20 40 °C	10327451	11161734	10327206	10326968	52T	
	-20 ...60 °C	10327450	10327297	10327142	10318101	54T	
	-20 ..100 °C	10327065	10327410	11195778	11165443	84T	
	-30 ...30 °C	-	-	-	-	61T	
	-30 ...70 °C	10327409	10327028	11195776	10326993	51T	
	-30 ...170 °C	10327208	10326996	11175083	11154767	55T	
	-70 ...50 °C	10327094	10326974	11161045	10327040	68T	
	Price in EUR		113,60	118,30	125,90	137,30	
	0 ...40 °C	10327356	10327030	-	-	10T	
	0 ...60 °C	10327177	11161797	11186747	10327035	11T	
	0 ...80 °C	11134786	11161751	11195775	10327457	27T	
	0 ..100 °C	11161737	11161735	10326970	10327209	12T	
	0 ..120 °C	11161738	11161745	11161739	10327298	20T	
	0 ..160 °C	11121729	10326967	10327251	10327253	13T	
	Price in EUR		113,60	118,30	125,90	137,30	
	0 ..200 °C	10327262	10326991	10327212	11195882	22T	
	0 ..250 °C	11161743	11161732	10327295	11195779	14T	
	0 ..400 °C	10327031	10326924	10326990	11195880	15T	
	0 ..500 °C	11195771	10327087	11167652	11195883	25T	
	0 ..600 °C	11196110	10327029	11195774	11195881	16T	
Material number ►		▲	▲	▲	▲		

Additional price for other nominal sizes (NS)

Ø 80 mm	0,00	TBI080-***.***.***
Ø 130 mm (not for -10...30°C and 0...40°C)	24,90	TBI130-***.***.***
Ø 160 mm (not for -10...30°C and 0...40°C)	71,60	TBI160-***.***.***

Additional price for integrated process connection

G 1/2 male thread, sliding	17,40	TBI***-5*.***.***
1/2 NPT male thread, sliding	17,40	TBI***-6*.***.***
M20 x 1.5 male thread, sliding	57,80	TBI***-2*.***.***
Others on request		

Additional price for other immersion tube diameter

Ø 6 mm	-8,30	TBI***-***.4*.***
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Options (additional costs)

ATEX II 2 GDc (only with option laminated safety glass)	2,40	0078
Case and bezel ring stainless steel 1.4404 (AISI 316L) (only Ø 100 mm and Ø 130 mm)	34,80	0110
Pointer axis with dampening grease	11,50	0581
Laminated safety glass (only Ø 80 mm and Ø 100 mm, others on request)	8,70	0751
Polycarbonat (only for Ø 80 mm and Ø 100 mm, others upon request)	10,70	0753
Silicone-free with mark on dial	19,40	0794
Red mark at ...	19,40	9700
Customer logo	21,30	9710
Technical inscription	21,30	9711

Certificates (Net-Prices)

2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 material certificate	48,00	Q003
3.1 calibration certificate - 3 points increasing	42,00	Q006
3.1 calibration certificate - 5 points increasing	64,30	Q007

Thermowells and accessories see page 61

Example ordering code	TBI100-212.162.20T/0751_Q006	164,30	◀
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	Class 1 (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)			
Connection					
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.***
Temperature range	Price in EUR	167,40	172,10	179,70	191,10
	-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	167,40	172,10	179,70	191,10
	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	167,40	172,10	179,70	191,10
	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	0,00	TBI080-***.***.***
Ø 130 mm	24,90	TBI130-***.***.***
Ø 160 mm	71,60	TBI160-***.***.***

Additional price for integrated process connection

G 1/2 male thread, sliding	17,40	TBI***-5*.***.***
1/2 NPT male thread, sliding	17,40	TBI***-6*.***.***
M20 x 1.5 male thread, sliding	57,80	TBI***-2*.***.***
Others on request		

Additional price for other immersion tube diameter

Ø 6 mm	-8,30	TBI***-***.4*.***
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Options (additional costs)

ATEX II 2 GDc (only with option laminated safety glass)	2,40	0078
Case and bezel ring stainless steel 1.4404 (AISI 316L) (only Ø 100 mm and Ø 130 mm)	34,80	0110
Pointer axis with dampening grease	11,50	0581
Laminated safety glass (only Ø 80 mm and Ø 100 mm, others on request)	8,70	0751
Silicone-free with mark on dial	19,40	0794
Red mark at ...	19,40	9700
Customer logo	21,30	9710
Technical inscription	21,30	9711

Certificates (Net-Prices)

2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 material certificate	48,00	Q003
3.1 calibration certificate - 3 points increasing	42,00	Q006
3.1 calibration certificate - 5 points increasing	64,30	Q007

Thermowells and accessories see page 61

Example ordering code	TBI100-211.162.20T/0751_Q006	218,10	◀
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
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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	Class 1 (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)				
Connection		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.***	**▼
Temperature range	Price in EUR	186,40	191,10	198,70	210,10	
	-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	186,40	191,10	198,70	210,10	
	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	186,40	191,10	198,70	210,10	
	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	0,00	TBI080-***.***.***
Ø 130 mm	24,90	TBI130-***.***.***
Ø 160 mm	71,60	TBI160-***.***.***

Additional price for integrated process connection

G 1/2 male thread, sliding	17,40	TBI***.5*.***.***
1/2 NPT male thread, sliding	17,40	TBI***.6*.***.***
M20 x 1.5 male thread, sliding	57,80	TBI***.2*.***.***
G 1/2 male thread, fix	43,50	TBI***.C*.***.***
1/2 NPT male thread, fixed	43,50	TBI***.Q*.***.***
Others on request		

Additional price for other immersion tube diameter

Ø 6 mm	-8,30	TBI***.***.4*.***
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Options (additional costs)

ATEX II 2 GDc (only with option laminated safety glass)	2,40	0078
Case and bezel ring stainless steel 1.4404 (AISI 316L) (only Ø 100 mm and Ø 130 mm)	34,80	0110
Pointer axis with dampening grease	11,50	0581
Laminated safety glass (only Ø 80 mm and Ø 100 mm, others on request)	8,70	0751
Polycarbonat (only for Ø 80 mm and Ø 100 mm, others upon request)	10,70	0753
Silicone-free with mark on dial	19,40	0794
Red mark at ...	19,40	9700
Customer logo	21,30	9710
Technical inscription	21,30	9711

Certificates (Net-Prices)

2.1 certificate	23,00	Q001
2.2 certificate	32,00	Q002
3.1 material certificate	48,00	Q003
3.1 calibration certificate - 3 points increasing	42,00	Q006
3.1 calibration certificate - 5 points increasing	64,30	Q007

Thermowells and accessories see page 61

Example ordering code	TBI100-214.162.20T/0751_Q006	237,10	◀
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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Thermowell for TBI080 / TBI100

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
Immersion tube length	100 mm, 160 mm, 250 mm, 400 mm
Immersion tube diameter	Ø 6 mm

Installed length (stem diameter 6 mm)	100 mm (4 ")	160 mm	250 mm	400 mm
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Thermowell with threaded connection		G 1/2 male thread			
Ordering code ►		T 09346.0301	T 09346.0302	T 09346.0303	T 09346.0304
Price in EUR		76,00	87,50	96,80	111,00
	Stainless steel 1.4404 / 1.4571	10298560	10326589	10326590	10298561
Thermowell with threaded connection		3/4 NPT male thread			
Ordering code ►		T 09346.0901	T 09346.0902	T 09346.0903	T 09346.0904
Price in EUR		112,80	120,60	131,10	-
	Stainless steel 1.4404 / 1.4571	10326629	11177967	10326630	-

Thermowell with welded connection		T 09367.0201	T 09367.0202	T 09367.0203	T 09367.0204
Price in EUR		58,90	82,80	129,10	-
	Stainless steel 1.4404 / 1.4571	10326755	10326756	10326757	-

Sliding connection (for immersion tube 6 mm)		G 1/2	G 3/4	1/2 NPT	M20 x 1.5
Ordering code ►		T 08406.0016	T 08406.0017	T 08406.0019	T 08406.0020
Price in EUR		37,10	56,70	45,30	24,00
	Stainless steel 1.4404 / 1.4571	10298532	10326712	10298533	10326713
Sliding connection (for immersion tube 6 mm)		T 08641.0010	T 08641.0011		T 08641.0013
Price in EUR		129,00	60,00	-	129,00
	Stainless steel 1.4404 / 1.4571	10326416	10326417	-	10318577

Spare parts

Immersion tube diameter		Ø 6 mm		
Material		-	-	Stainless steel
Ordering code ►		-	-	T 08404.0004
Price in EUR		-	-	9,10
	Fitting G 1/4	-	-	10330185
Ordering code ►		-	-	T 08405.0004
Price in EUR		-	-	3,10
	Olive	-	-	10330197

Material number ►	▲	▲	▲	▲
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Thermowell for TBI080 / TBI100

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		G 1/2 male thread			
	Price in EUR	T 08410.0101	T 08410.0102	T 08410.0103	-
	Brass	20,90	20,90	36,60	-
		10298534	10330164	10326329	-
		G 1/2 male thread			
	Price in EUR	T 08410.0201	T 08410.0202	T 08410.0203	-
	Steel	24,10	24,10	40,70	-
		10330166	10326376	10326377	-
		G 1/2 male thread			
	Price in EUR	T 08410.0301	T 08410.0302	T 08410.0303	T 08410.0304
	Stainless steel 1.4404 / 1.4571	63,80	63,80	73,00	88,00
		10298535	10298536	10326450	10298537
		3/4 NPT male thread			
	Price in EUR	T 08410.0901	T 08410.0902	T 08410.0903	T 08410.0904
	Stainless steel 1.4404 / 1.4571	115,00	o.r.	o.r.	o.r.
		10326633	10326634	10326635	11049421

Thermowell with welded connection					
	Price in EUR	T 08416.0101	T 08416.0102	T 08416.0103	T 08416.0104
	Steel	22,70	27,80	40,60	114,10
		10330190	10326602	10330191	10326604
	Price in EUR	T 08416.0201	T 08416.0202	T 08416.0203	T 08416.0204
	Stainless steel 1.4404 / 1.4571	63,70	72,90	87,70	135,60
		10326637	10298538	10326638	10326639

Sliding connection (for immersion tube 8 mm)		G 1/2	G 3/4	1/2 NPT	M20 x 1.5
	Price in EUR	T 08406.0003	T 08406.0006	T 08406.0009	T 08406.1020
	Stainless steel 1.4404 / 1.4571	37,10	40,50	47,70	38,10
		10298528	10326632	10298530	10318683
	Price in EUR	T 08641.0003	T 08641.0006	-	-
	Stainless steel 1.4404 / 1.4571	75,00	60,00	-	-
		10298540	10326382	-	-

Mounting sleeve for airducts		ZTH1			
	Price in EUR	J 70148.0001	-	-	-
	Steel zinc plated	7,50	-	-	-
		10271371	-	-	-

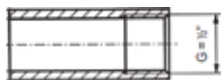
Spare parts

Immersion tube diameter		Ø 8 mm			-
Material		Brass	Steel	Stainless steel	-
	Price in EUR	T 08404.0001	T 08404.0002	T 08404.0003	-
	Fitting G 1/4	4,00	9,60	11,10	-
		10330188	10330189	10330184	-
	Price in EUR	T 08405.0001	T 08405.0002	T 08405.0003	-
	Olive	1,40	1,40	4,30	-
		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		14,50	19,80	34,60	
Steel		10326610	10326609	10326611	-
		38 mm	58 mm	78 mm	-
Price in EUR		58,90	32,40	193,50	-
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		16,00	24,30	34,30	32,00
10318176		10326801	10326838	10326839	
		15 mm	50 mm	100 mm (4 ")	-
Price in EUR		T 09373.0001	T 09372.0006	T 09372.0007	-
Stainless steel		54,50	38,20	51,10	-
10318177		10326840	11012394	-	-

Flat gasket according DIN 3852		N 01880.0301	-	-	-
Price in EUR		1,70	-	-	-
Copper		10329823	-	-	-
		N 01880.0302	-	-	-
Price in EUR		1,20	-	-	-
PTFE		10329824	-	-	-
Price in EUR		N 01880.0306	-	-	-
PTFE		6,10	-	-	-
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		22,50	24,80	22,50	34,20
		10326708	10326705	10326706	10326707

Material number ►	▲	▲	▲	▲
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SDI 439

Level meter for tanks



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

Accuracy	Class 1.6
Measurement ranges	1...3 m Oil column
Scaling	0 .. 1/4 .. 1/2 .. 3/4 .. 1
Housing	Plastic gray
Window	Plastic
Ambient temperature	-20°C ... 70°C
Measuring element	Capsule, copper alloy, with overpressure protection
Connection	Ø 6 mm

Nominal size		Ø 150mm				-
Measurement ranges		1...3 m				-
Ordering code ►		SDI-439.131.111				-
		239,90				-
		10262331				-
Dials	Price in EUR	11,50		11,50		-
	0 ...1'000 liter	10323361	...10'000 Liter	10262362		-
	0 ...1'500 liter	10323362	...11'000 Liter	10323426		-
	0 ...1'750 liter	10323372	...12'000 Liter	10323427		-
	0 ...2'000 liter	10323373	...13'000 Liter	10323428		-
	0 ...2'250 liter	10323374	...14'000 Liter	10323429		-
	0 ...2'500 liter	10262359	...15'000 Liter	10262363		-
	0 ...3'000 liter	10323375	...16'000 Liter	10323436		-
	0 ...3'250 liter	10323376	...18'000 Liter	10323437		-
	0 ...3'500 liter	10323377	...20'000 Liter	10323438		-
	0 ...3'750 liter	10323391	...25'000 Liter	10323439		-
	0 ...4'000 liter	10262360	...28'000 Liter	10323440		-
	0 ...4'250 liter	10323392	...30'000 Liter	10323449		-
	0 ...4'500 liter	10323393	...32'000 Liter	10323450		-
	0 ...4'750 liter	10323394	...35'000 Liter	10323451		-
	0 ...5'000 liter	10262361	...38'000 Liter	10323452		-
	0 ...5'250 liter	10323395	...40'000 Liter	10323453		-
	0 ...5'500 liter	10323404	...42'000 Liter	10323454		-
	0 ...5'750 liter	10323405	...48'000 Liter	10323455		-
	0 ...6'000 liter	10323406	...50'000 Liter	10323456		-
	0 ...6'250 liter	10323407	...55'000 Liter	10323457		-
	0 ...6'500 liter	10323408	...60'000 Liter	10323466		-
	0 ...6'750 liter	10323409	...65'000 Liter	10323467		-
	0 ...7'000 liter	10323410	...70'000 Liter	10323468		-
	0 ...7'250 liter	10323411	...75'000 Liter	10323469		-
	0 ...7'500 liter	10323412	...80'000 Liter	10323470		-
	0 ...7'750 liter	10323413	...85'000 Liter	10323471		-
	0 ...8'000 liter	10323414	...90'000 Liter	10323472		-
	0 ...8'500 liter	10323423	...95'000 Liter	10323473		-
	0 ...9'000 liter	10323424	...100'000 Liter	10323474		-
	0 ...9'500 liter	10323425	-	-		-
Material number ►		▲	▲	▲	▲	

Options (additional costs)			/
Scale according to customer specifications (tank shape, tank height, density)		11,50	9709
Example ordering code		SDI-439.131.111/9709	
Area 1 ... 3 m		251,40	
Linear scale 0 ... 2'250 liters			
Availability		stock item	upon manufacturing
			- not available

Pressure and temperature switches – reliable safety for all processes.

Pressure switches



RDPN, RDY,
RDE



RPPN, RPPY,
RPPE



RP2N, RP2Y,
RP2E

Temperature switches



RT2N, RT2Y



RTN,
RTNY

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