



### Product highlight

- For corrosive gasses and liquids
- Class 1 according to EN 837-1
- Wetted parts: Stainless steel
- Lloyds Register Approval
- Option: Liquid-filled for applications with pulsations or vibrations
- Option: Case material 1.4404 (316L) for aggressive atmosphere



### Technical data

#### Housing

Protection rating (EN 60529)	■ IP65
Dial	■ White, aluminium
Pointer	■ Black, aluminium
Safety according to EN 837-1	■ S1
Safety	■ Pressure gauge with blow-out device
Window material	■ Instrument glass
Window gasket	■ Elastomer
Movement material	■ Stainless steel
Nominal size	■ 100 mm
Case material	■ Stainless steel 1.4301 / AISI 304 ■ Stainless steel 1.4404 / AISI 316L, optional
Bezel ring material	■ Stainless steel 1.4301 / AISI 304 ■ Stainless steel 1.4404 / AISI 316L, optional

#### Temperature

Ambient temperature	■ -20°C ... +70°C
Storage temperature	■ -40°C ... +70°C
Media temperature	■ -40°C ... +200°C (not filled)

#### Wetted parts

Process connection	■ G1/4" ■ 1/4" NPT ■ G1/2" ■ 1/2" NPT ■ G3/8" ■ 3/8" NPT ■ M20 x 1.5
--------------------	--

Process connection material	■ Stainless steel 1.4404 / AISI 316L
-----------------------------	--------------------------------------

Bourdon tube	■ Stainless steel 1.4404 / AISI 316L
--------------	--------------------------------------

#### Performance

Pressure limitation ≤ 600 bar	■ Steady: 100 % of full scale value ■ Fluctuating: 90 % of full scale value ■ Short time: 130 % of full scale value
-------------------------------	---

Pressure limitation > 600 bar	■ Steady: 75 % of full scale value ■ Fluctuating: 65 % of full scale value ■ Short time: 100 % of full scale value
-------------------------------	--

Accuracy according to EN 837-1	■ Class 1
--------------------------------	-----------

Temperature coefficient	■ ± 0.4 % FS/10K
-------------------------	------------------

Type of pressure	■ Relative
------------------	------------

Min. measuring range	■ -1 ... 0 bar
----------------------	----------------

Max. measuring range	■ 0 ... 1600 bar
----------------------	------------------

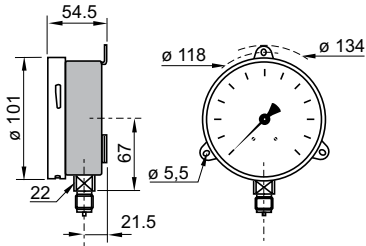
#### Weight

Gauge	■ 810 g filled ■ 510 g unfilled
-------	------------------------------------

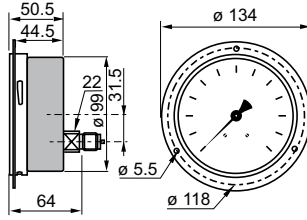
#### Approval / Conformities

ATEX	■ Ex II 2 GDc ■ Further information can be found in the ATEX approval
------	--

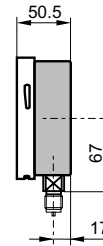
Technical drawings



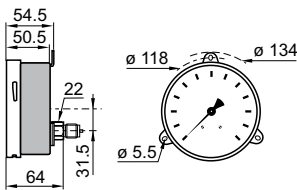
Type A



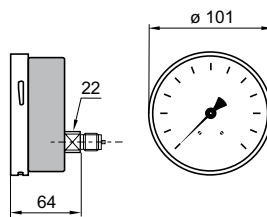
Type B



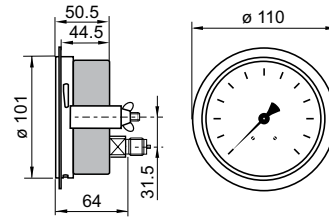
Type C



Type E



Type F



Type G

**Pressure Ranges**

Code	Bar	
B58	-0.6 ...	0
B59	-1 ...	0
B72	-1 ...	0.6
B74	-1 ...	1.5
B76	-1 ...	3
B77	-1 ...	5
B79	-1 ...	9
B81	-1 ...	15
B82	-1 ...	24
B12	0 ...	0.6
B15	0 ...	1
B16	0 ...	1.6
B18	0 ...	2.5
B19	0 ...	4
B20	0 ...	6
B22	0 ...	10
B24	0 ...	16
B26	0 ...	25
B27	0 ...	40
B29	0 ...	60
B31	0 ...	100
B33	0 ...	160
B35	0 ...	250
B38	0 ...	400
B39	0 ...	600
B41	0 ...	1 000
B42	0 ...	1 600

Code	kPa	
D58	-60 ...	0
D59	-100 ...	0
D72	-100 ...	60
D74	-100 ...	150
D76	-100 ...	300
D77	-100 ...	500
D79	-100 ...	900
D81	-100 ...	1 500
D82	-100 ...	2 400
D12	0 ...	60
D15	0 ...	100
D16	0 ...	160
D18	0 ...	250
D19	0 ...	400
D20	0 ...	600
D22	0 ...	1 000
D24	0 ...	1 600
D26	0 ...	2 500
D27	0 ...	4 000
D29	0 ...	6 000
D31	0 ...	10 000
D33	0 ...	16 000
D35	0 ...	25 000
D38	0 ...	40 000
D39	0 ...	60 000

Code	kg/cm <sup>2</sup>	
F58	-0.6 ...	0
F59	-1 ...	0
F72	-1 ...	0.6
F74	-1 ...	1.5
F76	-1 ...	3
F77	-1 ...	5
F79	-1 ...	9
F81	-1 ...	15
F82	-1 ...	24
F12	0 ...	0.6
F15	0 ...	1
F16	0 ...	1.6
F18	0 ...	2.5
F19	0 ...	4
F20	0 ...	6
F22	0 ...	10
F24	0 ...	16
F26	0 ...	25
F27	0 ...	40
F29	0 ...	60
F31	0 ...	100
F33	0 ...	160
F35	0 ...	250
F38	0 ...	400
F39	0 ...	600
F41	0 ...	1 000
F42	0 ...	1 600

Code	psi	
H59	-30" Hg ...	0
H73	-30" Hg ...	15
H75	-30" Hg ...	30
H2C	-30" Hg ...	60
H78	-30" Hg ...	100
H79	-30" Hg ...	150
H81	-30" Hg ...	220
H82	-30" Hg ...	300
H13	0 ...	10
H15	0 ...	15
H1C	0 ...	20
H17	0 ...	30
H19	0 ...	60
H21	0 ...	100
H22	0 ...	160
H23	0 ...	200
H25	0 ...	300
H26	0 ...	400
H27	0 ...	600
H30	0 ...	1 000
H31	0 ...	1 500
H34	0 ...	3 000
H38	0 ...	6 000
H40	0 ...	10 000
H41	0 ...	15 000
H1D	0 ...	20 000

## Configuration

	MEX	5	-	x	x	x	.	xxx
<b>Product</b>	MEX							
MEX Industrial pressure gauge	MEX							
<b>Dimension</b>								
Nominal size 100 mm		5						
<b>Case</b>								
Bottom conn., wall mounting								A
Back conn., panel mounting								B
Bottom conn., panel mounting								C
Bottom connection								D
Back connection, wall mounting								E
Back connection								F
Back connection, case 1.4301								G
Bottom conn., wall mo 1.4404								1
Back conn., panel mo 1.4404								2
Bottom conn, panel mo 1.4404								3
Bottom connction, 1.4404								4
Back connection, wall m 1.4404								5
Back connection, 1.4404								6
Back conn, fixing clamp 1.4404								7
<b>Process connection</b>								
G 1/4								2
G 1/2								3
G 3/8								J
1/4 - 18 NPT								5
1/2 - 14 NPT								6
3/8 NPT								S
M20 x 1,5								9
<b>Damping fluid</b>								
without								0
BH1, Glyzerin 86 % <sup>(1)</sup>								1
BH2, Glyzerin 99 % <sup>(1)</sup>								2
Bh3, Silicone oil <sup>(1)</sup>								3
BH4								4
BH5, Fluorinated oil								5
<b>Measuring range</b>								
bar (EN standard) <sup>(2)</sup>								Bxx
kPa								Dxx
MPa (EN standard)								Exx
kg/cm <sup>2</sup>								Fxx
Psi								Hxx
bar, psi (EN standard)								Kxx
mbar (EN standard)								Nxx
psi, bar (ANSI standard)								Sxx
psi, kPa (ANSI standard)								Vxx
kPa, psi (EN standard)								Wxx

### Stockitems

<sup>(1)</sup> Including window laminated safety glass Pressure range 0.6 bar: accuracy cl. 2.5 with BH1 and BH3, not available with BH2

<sup>(2)</sup> P ≥ 1.6 bar Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer

<sup>(3)</sup> For fittings > 1/4"

<sup>(4)</sup> For pressure gauge not filled and P < 1000 bar

## Ordering example

	MEX	5	-	B	6	0	.	S22	/	0078	-	0771	-	0679
All stainless steel pressure gauge														
Nominal size 100 mm		5												
Back connection, front flange, 3 mounting holes, case material 1.4301				B										
Process connection 1/2 NPT					6									
No liquid filling						0								
Double scale psi/bar ANSI : 0 ... 160 psi / 0 ... 10 bar							.	S22						
Option : ATEX Version with laminated safety glass included									/	0078				
Option : Restrictor screw Ø 0.5											-	0771		
Option : Adjustable friction pointer													-	0679

# MEX5

Industrial pressure gauges