Baumer
Passion for Sensors

MAN7 - MMF7

Solid front pressure gauges

BOURDON
The Original by Baumer

Main Features

- For corrosive gasses and liquids
- Class 1 according to EN 837-1
- Wetted parts Stainless steel (MAN) or Monel (MMF)
- Lloyds Register Approval
- Safety version S3 according to EN 837-1
- Option : case material 1.4404 (316L) for aggressive atmosphere

Applications

- Food & Beverage
- Laboratory & Medical
- Oil & Gas / Chemical
- Water & Waste water
- Energy
- Transportation & Logistics
- Machinery

EN-837 · PED · Lloyd's Register · IP 52 · Ex · Safety

Technical Data

Nominal size	150 mm	
Measurement range	MAN :	-1 ... 0 to 0 ... 1600 bar
	MMF :	-1 ... 0 to 0 ... 600 bar
Pressure limitation		
Ranges < 600 bar	Steady :	100% of full scale value
	Fluctuating :	90% of full scale value
	Short time :	130% of full scale value
Ranges ≥ 600 bar	Steady :	75% of full scale value
	Fluctuating :	65% of full scale value
	Short time :	100% of full scale value
Accuracy	Class 1 (according EN837-1)	
Protection rating	IP 52 (EN 60529)	
Process Connection	MAN :	Stainless steel 1.4404 (AISI 316L)
	MMF :	Monel 400
Bourdon tube	MAN :	Stainless steel 1.4404 (AISI 316L)
	MMF :	Monel 400
Case	Stainless steel 1.4301 (AISI 304) Option : stainless steel 1.4404 (AISI 316L)	

Bezel ring	Stainless steel 1.4301 (AISI 304) Option : stainless steel 1.4404 (AISI 316L)
Movement	Stainless steel
Window	Laminated safety glass
Window gasket	Elastomer
Dial	Aluminium, white
Pointer	Aluminium, black
Temperature	Ambient : -20 ... +70°C Medium : -40 ... +200°C The case temperature must not exceed +70°C Storage : -40 ... +70°C
Thermal drift	± 0.4% F.S. / 10 K (reference : 20°C)
Safety	S3 according EN837-1 Safety pattern gauge with baffle wall and elastomer blow-out back

Options

ATEX II2GDc-IM2c	Code 0078
Adjustable micro metric pointer (P ≥ 1.6 bar)	Code 0678
Adjustable friction pointer	Code 0679
Window polycarbonate	Code 0753
Oxygen application	Code 0765
Restrictor screw Ø 0.5 (for fittings > 1/4")	Code 0771
Solid drawn Bourdon tube (MAN only)	Code 0816
Accuracy class 0.5 (for pressure gauges 1.6 bar < P < 1000 bar	Code 0843
Accuracy class 0.6 (for pressure gauges 1.6 bar < P < 1000 bar	Code 0840

To be ordered separately

Material certificate 3.1 EN10204	Code Q1229
Calibration certificate EN837-1 (5 points raising and 5 points falling)	Code Q1070

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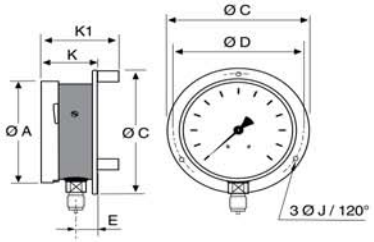
Passion for Sensors

MAN7 - MMF7

Solid front pressure gauges

Dimensions - Types of mounting

A (11)*



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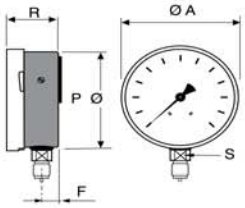
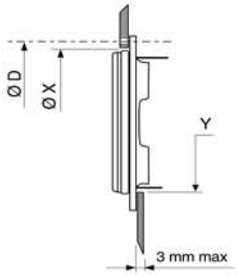


Weight (kg) : 0.880

Panel cut-outs Type B or C



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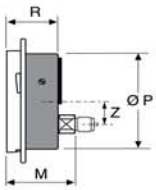

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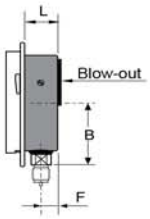

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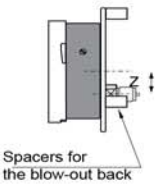

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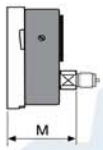


*Type of mounting according to EN837-1 in brackets

mm	A	B	C	D	E	F	J	K	K1	L	M	P	R	S	X	Y	Z
NS 150	150.2	85	180	168	25.5	23.5	5.5	56.5	71	37.5	68.5	142	54.5	□ 22	151	145	31.5

Pressure ranges

Code	Bar
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
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
D41	0 ... 100 000
D42	0 ... 160 000

Code	kg/cm²
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

Baumer
Passion for Sensors

MAN7 - MMF7

Solid front pressure gauges

Ordering details MAN7 - MMF7

		7	–				.	xxx	/
Model									
All stainless steel pressure gauge	MAN								
Pressure gauge with monel Bourdon tube [1]	MMF								
Nominal size									
150 mm		7							
			–						
Type of mounting									
Stainless steel case and bezel ring 1.4301 (AISI 304)									
Bottom connection, back flange for wall mounting, 3 mounting holes				A					
Back connection, front flange, 3 mounting holes				B					
Bottom connection, front flange, 3 mounting holes				C					
Bottom connection				**D**					
Back connection, back flange for wall mounting, 3 mounting holes				E					
Back connection				F					
Stainless steel case and bezel ring 1.4404 (AISI 316L)									
Bottom connection, back flange for wall mounting, 3 mounting holes				1					
Back connection, front flange, 3 mounting holes				2					
Bottom connection, front flange, 3 mounting holes				3					
Bottom connection				4					
Back connection, back flange for wall mounting, 3 mounting holes				5					
Back connection				6					
Process connection									
G 1/4					2				
G 1/2					**3**				
1/4 NPT					5				
1/2 NPT					6				
Liquid filling									
Dry						0			
							.		
Unit of measurement / Pressure ranges [2]									
bar							**Bxx**		
psi							**Hxx**		
kPa							**Dxx**		
kg/cm²							Fxx		
Options to be added behind the / (see example below)									/

(Standard version)

[1] Monel version is not available for pressure ranges x41, x42 and H1D
[2] Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer.

Ordering example with options

MAN	7	–	D	3	0	.	B22	/	0078	–	0771	–	0679

All stainless steel pressure gauge
Nominal size 150 mm
Bottom connection, case material 1.4301
Process connection G1/2
No liquid filling
Scale bar : 0 ... 10 bar
Option : ATEX Version
Option : Restrictor screw Ø 0.5
Option : Adjustable friction pointer

Baumer
Passion for Sensors

MCD

Differential Capsule Pressure Gauge

BOURDON
The Original by Baumer

Main Features

- Low pressure measurement
- For non-corrosive gasses
- Accuracy +/- 2% F.S.
- Static pressure max. 250 mbar
- Option: case material 1.4404 (316L) for aggressive atmosphere

Applications

- Laboratory & Medical
- Oil & Gas / Chemical
- Machinery

IP 66

Technical Data

Nominal size	150 mm
Measurement range	0…10 mbar to 0…250 mbar
Static pressure	Max. 250 mbar
Allowed single-sided overpressure	HP side: max. 250 mbar LP side: max. 130 % F.S.
Safety valve	Viton® - FKM Integrated on the HP side to protect the capsule
Accuracy	± 2% F.S.
Protection rating	IP 66 (EN 60529)
Capsule	Stainless steel 1.4404 (AISI 316L)
Case	Stainless steel 1.4301 (AISI 304)
Bezel ring	Stainless steel 1.4301 (AISI 304)
Movement	Brass
Window	Instrument glass
Window gasket	Elastomer

Dial	Aluminium, white
Pointer	Aluminium, black
Temperature	Ambient : -20 ... +60°C Medium: -20 ... +60°C Storage: -40 ... +70°C
Manifolds	3-way manifolds are recommended to ensure to apply the pressure simultaneously on both sides and avoid single-sided overload.
Working principle	The HP is applied inside the capsule and the LP outside the capsule (in the case). The deflection of the capsule results from the difference between the pressure inside (HP) and outside (LP).
Zero adjustment	+/- 10 % F.S. Adjustment screw accessible on the front side after removing of the bezel ring and window.

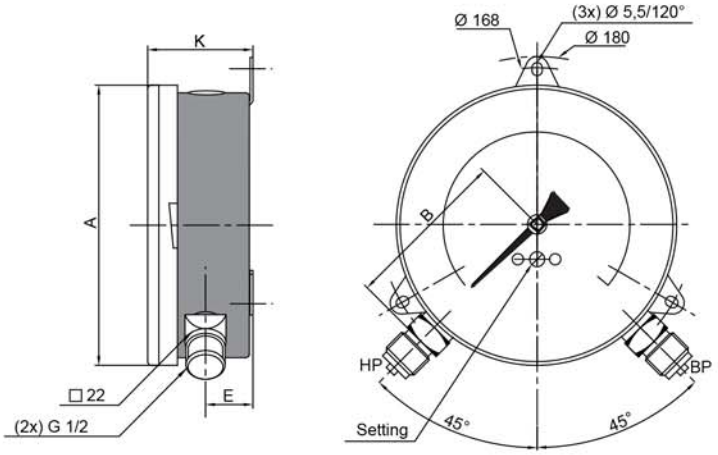
Options

Stainless steel movement	Code 0651
Window laminated safety glass	Code 0751
Window Plexiglas	Code 0752
Oxygen application	Code 0765

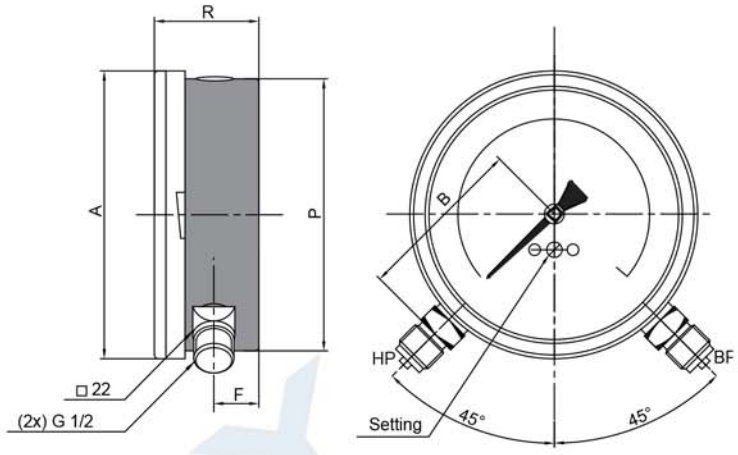
Baumer
Passion for Sensors

MCD
Differential Capsule Pressure Gauge

Dimensions - Types of mounting



Type A



Type D

mm	A	B	E	F	K	P	R	Weight
NS 150	150.2	90	25.4	23	56.4	142	54.5	0.9

Pressure ranges

Code	mbar
N03	0 ... 10
N04	0 ... 16
N05	0 ... 25
N06	0 ... 40
N07	0 ... 60
N08	0 ... 100
N09	0 ... 160
N10	0 ... 250

Code	kPa
D03	0 ... 1
D04	0 ... 1.6
D05	0 ... 2.5
D06	0 ... 4
D07	0 ... 6
D08	0 ... 10
D09	0 ... 16
D10	0 ... 25

Code	mmH20
R03	0 ... 100
R04	0 ... 160
R05	0 ... 250
R06	0 ... 400
R07	0 ... 600
R08	0 ... 1000
R09	0 ... 1600
R10	0 ... 2500

Baumer
Passion for Sensors

MCD
Differential Capsule Pressure Gauge

Ordering details MCD

		7	_			0	.	xxx	/
Model									
Differential capsule pressure gauge	MCD								
Nominal size									
150 mm		7							
			_						
Type of mounting									
Stainless steel case and bezel ring 1.4301 (AISI 304)									
Bottom connection, 3 back lugs fixing				A					
Bottom connection				D					
Stainless steel case and bezel ring 1.4404 (AISI 316L)									
Bottom connection, 3 back lugs fixing				1					
Bottom connection				4					
Process connection									
G 1/2					3				
1/2 NPT					6				
Liquid filling									
Dry						0			
							.		
Measurement unit									
mbar								Nxx	
kPa								Dxx	
mmH20								Rxx	
Options to be added behind the / (see example below)									/

(▸ **Standard version**)

(4) Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer.

Ordering example with options

MCD	7	_	D	3	0	.	N06	/	0752	_	0765

- Industrial capsule differential pressure gauge
- Nominal size 150 mm
- Bottom connection, case material 1.4301
- Process connection G1/2
- No liquid filling
- Scale mbar : 0 ... 40 mbar
- Option : Plexiglas window
- Option : Oxygen application

Baumer
Passion for Sensors

MEX5 - MEM5

Industrial Pressure Gauges

BOURDON
The Original by Baumer

Main Features

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

Applications

- Food & Beverage
- Laboratory & Medical
- Oil & Gas / Chemical
- Water & Waste water
- Energy
- Transportation & Logistics
- Machinery

EN-837 PED Lloyd's Register IP 65 Ex

Technical Data

Nominal size	100 mm	
Measurement range	MEX :	-1 ... 0 to 0 ... 1600 bar
	MEM :	-1 ... 0 to 0 ... 600 bar
Pressure limitation		
Ranges ≤ 600 bar	Steady :	100% of full scale value
	Fluctuating :	90% of full scale value
	Short time :	130% of full scale value
Ranges > 600 bar	Steady :	75% of full scale value
	Fluctuating :	65% of full scale value
	Short time :	100% of full scale value
Accuracy	Class 1 (according EN837-1)	
Protection rating	IP 65 (EN 60529)	
Process Connection	MEX :	Stainless steel 1.4404 (AISI 316L)
	MEM :	Monel 400
Bourdon tube	MEX :	Stainless steel 1.4404 (AISI 316L)
	MEM :	Monel 400
Case	Stainless steel 1.4301 (AISI 304) Option : Stainless steel 1.4404 (AISI 316L)	

Bezel ring	Stainless steel 1.4301 (AISI 304) Option : stainless steel 1.4404 (AISI 316L)
Movement	Stainless steel
Window	Instrument glass
Window gasket	Elastomer
Dial	Aluminium, white
Pointer	Aluminium, black
Temperature	Ambient : -20 ... +70°C Medium : -40 ... +200°C (not filled) For liquid filled version see ordering details. The case temperature must not exceed +70°C Storage : -40 ... +70°C
Thermal drift	± 0.4% F.S. / 10 K (reference : 20°C)
Safety	S1 according EN837-1 Pressure gauge with blow-out device

Options

ATEX II2GDc-IM2c *(Including window laminated safety glass)*	Code 0078
Adjustable micro metric pointer (P ≥ 1.6 bar)	Code 0678
Adjustable friction pointer	Code 0679
Window laminated safety glass	Code 0751
Window polycarbonate	Code 0753
Blow out disc at the back	Code 0760
Restrictor screw Ø 0.5 (for fittings > 1/4")	Code 0771
Stainless steel 1.4404 (AISI 316L) solid drawn Bourdon tube	Code 0816
Lloyd's Register approval	Code 0827
Accuracy class 0.6 *(For pressure gauge not filled and P < 1000 bar)*	Code 0840

To be ordered separately

Material certificate 3.1 EN10204	Code Q1229
Calibration certificate EN837-1 (5 points raising and 5 points falling)	Code Q1070

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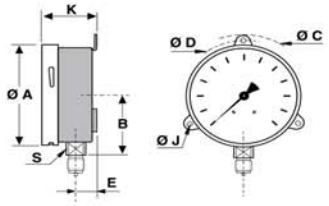
Passion for Sensors

MEX5 - MEM5

Industrial Pressure Gauges

Dimensions - Types of mounting



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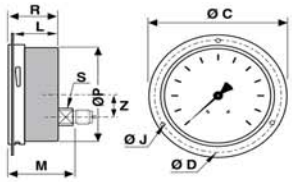
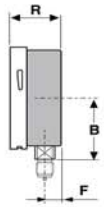
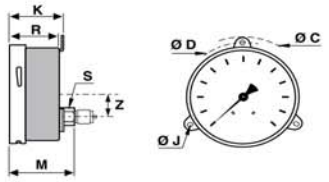


B (32)*



D (10)*

Weight (kg)
Filled : 0.81
Unfilled : 0.51



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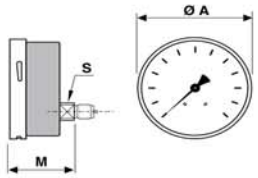

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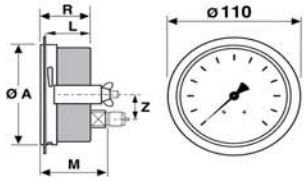


G (33)*

Panel cut-outs for types B and G = Ø 102 mm
*Type of mounting according to EN837-1 in brackets

mm	A	B	C	D	E	F	J	K	L	M	P	R	S	Z
NS 100	101	67	134	118	21.5	17	5.5	54.5	44.5	64	99	50.5	22	31.5

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/cm²
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

Baumer
Passion for Sensors

MEX5 - MEM5

Industrial Pressure Gauges

Ordering details MEX5 - MEM5

		5	–				.	xxx	/
Model									
All stainless steel pressure gauge	MEX								
Pressure gauge with monel Bourdon tube [1]	MEM								
Nominal size									
100 mm		5							
			–						
Type of mounting									
Stainless steel case and bezel ring 1.4301 (AISI 304)									
Bottom connection, 3 back lugs fixing				A					
Back connection, front flange, 3 mounting holes				B					
Bottom connection				**D**					
Back connection, 3 back lugs fixing				E					
Back connection				**F**					
Back connection with clamp				G					
Stainless steel case and bezel ring 1.4404 (AISI 316L)									
Bottom connection, 3 back lugs fixing				1					
Back connection, front flange, 3 mounting holes				2					
Bottom connection				4					
Back connection, 3 back lugs fixing				5					
Back connection				6					
Back connection with clamp				7					
Process connection									
G 1/4					2				
G 1/2					**3**				
G 3/8					J				
1/4 NPT					5				
1/2 NPT					**6**				
3/8 NPT					S				
M20 x 1.5					9				
Liquid filling									
Dry						**0**			
BH1: low viscosity glycerin/water 86% (medium : -20 ... +70°C) [2]						1			
BH2: high viscosity glycerin 99.5% (medium : 0 ... +90°C) [2]						2			
BH3: silicone oil (medium : -40 ... +100°C) [2]						3			
							.		
Unit of measurement / Pressure ranges [3]									
bar								**Bxx**	
psi								**Hxx**	
kPa								**Dxx**	
MPa								Exx	
mbar								Nxx	
kg/cm²								Fxx	
bar / psi (double scale)								Kxx	
psi / bar (double scale)								Sxx	
psi / kPa (double scale)								Vxx	
kPa / psi (double scale)								Wxx	
kg/cm² / psi (double scale)								5xx	
Options to be added behind the / (see example below)									/

(▸ **Standard version**)

[1] Monel version is not available for pressure ranges x39, x41 and x59
[2] Pressure range 0.6 bar: accurracy cl. 2.5 with BH1 and BH3, not available with BH2
[3] Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer.

Ordering example with options

MEX	5	–	B	6	0	.	S22	/	0078	_	0771	_	0679

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

Baumer
Passion for Sensors

MIX7 - MIM7

Industrial Pressure Gauges

EN-837 PED Lloyd's Register IP 65 Ex

Main Features

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

Applications

- Food & Beverage
- Laboratory & Medical
- Oil & Gas / Chemical
- Water & Waste water
- Energy
- Transportation & Logistics
- Machinery

Technical Data

Nominal size	150 mm	
Measurement range	MIX :	-1 ... 0 to 0 ... 1600 bar
	MIM :	-1 ... 0 to 0 ... 600 bar
Pressure limitation		
Ranges ≤ 600 bar	Steady :	100% of full scale value
	Fluctuating :	90% of full scale value
	Short time :	130% of full scale value
Ranges > 600 bar	Steady :	75% of full scale value
	Fluctuating :	65% of full scale value
	Short time :	100% of full scale value
Accuracy	Class 1 (according EN837-1)	
Protection rating	IP 65 (EN 60529)	
Process Connection	MIX :	Stainless steel 1.4404 (AISI 316L)
	MIM :	Monel 400
Bourdon tube	MIX :	Stainless steel 1.4404 (AISI 316L)
	MIM :	Monel 400
Case	Stainless steel 1.4301 (AISI 304) Option : stainless steel 1.4404 (AISI 316L)	

Bezel ring	Stainless steel 1.4301 (AISI 304) Option : stainless steel 1.4404 (AISI 316L)
Movement	Stainless steel
Window	Instrument glass
Window gasket	Elastomer
Dial	Aluminium, white
Pointer	Aluminium, black
Temperature	Ambient : -20 ... +70°C Medium : -40 ... +200°C (not filled) For liquid filled version see ordering details. The case temperature must not exceed +70°C Storage : -40 ... +70°C
Thermal drift	± 0.4% F.S. / 10 K (reference : 20°C)
Safety	S1 according EN837-1 Pressure gauge with blow-out device

Options

ATEX II2GDc-IM2c *(Including window laminated safety glass)*	Code 0078
Adjustable micro metric pointer (P ≥ 1.6 bar)	Code 0678
Adjustable friction pointer	Code 0679
Window laminated safety glass	Code 0751
Window polycarbonate	Code 0753
Blow out disc at the back	Code 0760
Restrictor screw Ø 0.5 (for fittings > 1/4")	Code 0771
Stainless steel 1.4404 (AISI 316L) solid drawn Bourdon tube	Code 0816
Lloyd's Register approval	Code 0827
Accuracy class 0.6 *(For pressure gauge not filled and P < 1000 bar)*	Code 0840

To be ordered separately

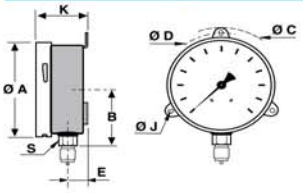
Material certificate 3.1 EN10204	Code Q1229
Calibration certificate EN837-1 (5 points raising and 5 points falling)	Code Q1070

Baumer
Passion for Sensors

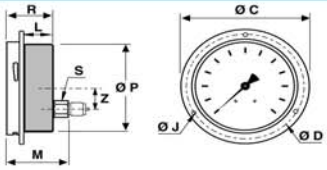
MIX7 - MIM7

Industrial Pressure Gauges

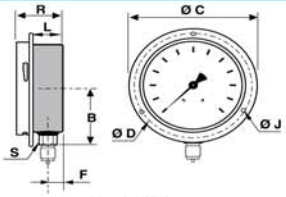
Dimensions - Types of mounting



A (11)*

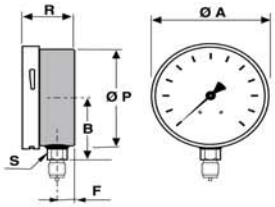


B (32)*

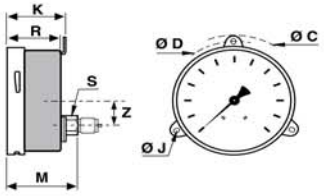


C (12)*

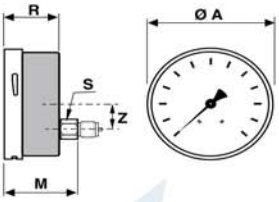
Weight (kg)
Filled : 1.70
Unfilled : 0.88



D (10)*



E (31)*



F (30)*

Panel cut-outs for type B and C = Ø 145 mm
*Type of mounting according to EN837-1 in brackets

mm	A	B	C	D	E	F	J	K	L	M	P	R	S	Z
NS 150	150.2	85	180	168	25.5	23.5	5.5	56.5	37.5	68.5	142	54.5	22	31.5

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/cm²
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

Baumer
Passion for Sensors

MIX7 - MIM7

Industrial Pressure Gauges

Ordering details MIX7 - MIM7

		7	_				.	xxx	/
Model									
All stainless steel pressure gauge	MIX								
Pressure gauge with monel Bourdon tube [1]	MIM								
Nominal size									
150 mm		7							
			_						
Type of mounting									
Stainless steel case and bezel ring 1.4301 (AISI 304)									
Bottom connection, 3 back lugs fixing				A					
Back connection, front flange, 3 mounting holes				B					
Bottom connection, front flange, 3 mounting holes				C					
Bottom connection				**D**					
Back connection, 3 back lugs fixing				E					
Back connection				**F**					
Stainless steel case and bezel ring 1.4404 (AISI 316L)									
Bottom connection, 3 back lugs fixing				1					
Back connection, front flange, 3 mounting holes				2					
Bottom connection, front flange, 3 mounting holes				3					
Bottom connection				4					
Back connection, 3 back lugs fixing				5					
Back connection				6					
Process connection									
G 1/4					2				
G 1/2					**3**				
1/4 NPT					5				
1/2 NPT					**6**				
M20 x 1.5					9				
Liquid filling									
Dry						**0**			
BH1 : low viscosity glycerin/water 86% (medium : -20 ... +70°C) [2]						1			
BH2 : high viscosity glycerin 99.5% (medium : 0 ... +90°C) [2]						2			
BH3 : silicone oil (medium : -40 ... +100°C) [2]						3			
							.		
Unit of measurement / Pressure ranges [3]									
bar								**Bxx**	
psi								**Hxx**	
kPa								**Dxx**	
MPa								Exx	
mbar								Nxx	
kg/cm²								Fxx	
bar / psi (double scale)								Kxx	
psi / bar (double scale)								Sxx	
psi / kPa (double scale)								Vxx	
kPa / psi (double scale)								Wxx	
kg/cm² / psi (double scale)								5xx	
Options to be added behind the / (see example below)									/

(▸ **Standard version)**

[1] Monel version is not available for pressure ranges x41, x42, H1D and x58
[2] Pressure range 0.6 bar: accurracy cl. 2.5 with BH1 and BH3, not available with BH2
[3] Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer.

Ordering example with options

MIX	7	_	B	6	0	.	S22	/	0078	_	0771	_	0679

All stainless steel pressure gauge
Nominal size 150 mm
Back connection, front flange, 3 mounting holes, case material 1.4301
Process connection 1/2 NPT
No liquid filling
Double scale psi/bar ANSI : 0 ... 160 psi / 0 ... 10 bar
Option : ATEX Version with laminated safety glass included
Option : Restrictor screw Ø 0.5
Option : Adjustable friction pointer