

MEX2-MEX3-MEM2-MEM3 Industrial Pressure Gauges

Can be used in corrosive gases and liquids that are not crystallizing

Accuracy Class 1.6

Bourdon tube stainless steel (MEX) or monel (MEM)

Fully welded process connection

Without or with dampening fluid

Conform to EN 837-1 standard and Pressure Directive PED 97/23/CE

Approval Lloyd's Register

Pressure gauges intended for process industries such as chemical, petro-chemical, energy or gas industries.

These pressure gauges have been designed to satisfy requirements to operate in aggressive environments.



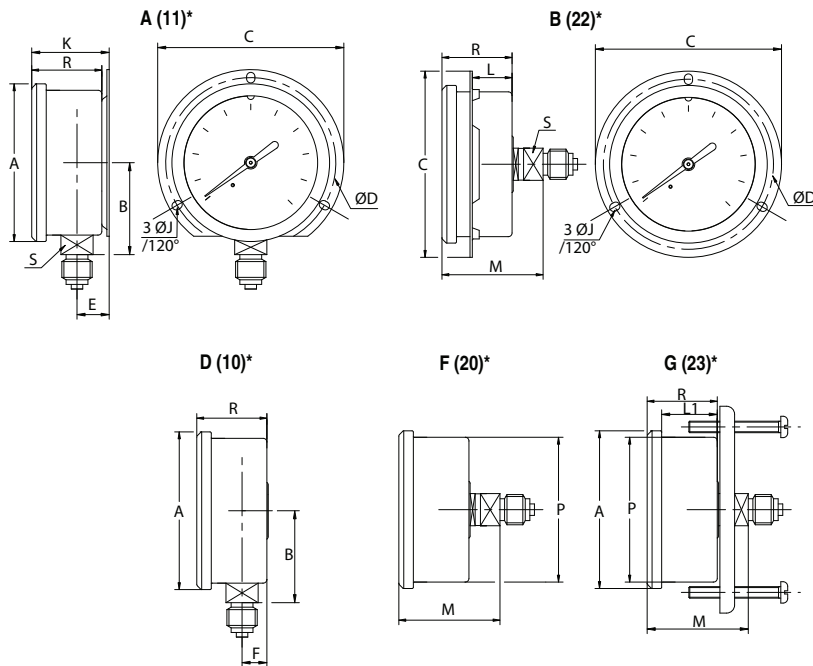
Technical Data (20°C)

Nominal sizes		Options	
MEX2 50 mm MEX3 63 mm		Accuracy class 1 (1.6 bar < P < 1000 bar)	Code 0841
Measurement range	MEX -1 ... 0 to 0 ... 1000 bar	Version Ex (ATEX II2 GDC-IM2c) (included option code 0751)	Code 0078
	MEM2 -1 ... 0.6 to 0 ... 400 bar		
	MEM3 -1 ... 0 to 0 ... 600 bar		
Working pressure	Steady :	Safety laminated glass in Triplex	Code 0751
	Fluctuating :	Polycarbonate window	Code 0753
	Short time :	Oxygen application (MEX2-MEM2)	Code 0765
Accuracy class	1.6	Restrictor screw Ø 0.3	Code 0769
Protection rating	IP 65 (EN 60529)	St. steel 1.4404 (AISI 316L) solid drawn Bourdon tube	Code 0816
Process connection	Type	Micro metric pointer (P ≥ 1.6 bar) (MEX3-MEM3)	Code 0678
	Material	Material certificate EN10204 3.1	Code Q1229
Case	G1/4, 1/4NPT	Calibration certificate EN837-1 (5 points raising and 5 points falling)	Code Q1070
	MEX St. steel 1.4301 (AISI 304) (option 1.4404)	Lloyd's Register approval	Code 0827
Bezel ring	MEM Monel 400		
	St. steel 1.4301 (AISI 304) (option 1.4404)		
Bourdon tube	MEX St. steel 1.4404 (AISI 316L)		
	MEM Monel 400		
Movement	St. steel		
Window	Instrument glass		
Window gasket	Elastomer		
Dial	Aluminium		
Pointer	Plastic		
Temperature	Ambient -20 ... +70°C		
	Process -40 ... +200°C (not filled)		
	Process -20 ... +70 °C (filled BH1)		
	(The gauge temperature does not exceed +70°C)		
	Storage -40 ... +70°C		
Safety	Drift ± 0.4% FS/10°C		
	S1 included with option 0751 or 0078		
	Pressure gauge with blow-out device		



Baumer

Dimensions - Types of mounting



NS Ø	Weight kg	
50	Dry	0.10
63		0.13
50	Filled	0.15
63		0.18

	MEX2 (mm)	MEX3 (mm)
A	55.6	68.8
B	34	40.4
C	68	81
D	60	75
E	14	14
F	11	10.8
J	3.6	3.6
K	34	34
L	17.3	17.3
L1	23.5	23.5
M	44	44
P	51	63
R	30.5	30.2
S	14	14

Panel cut-outs for types B MEX2 = Ø 53.5 mm
MEX3 = Ø 65.5 mm

(*according to EN837-1)

Ordering Details - MEX2-MEX3-MEM2-MEM3

Model		MExxxxxxx	
1' ... 3' digit			
All Stainless steel Pressure Gauge		MEX	
Pressure Gauge with monel Bourdon tube (1)		MEM	
Nominal size		4' digit	
50 mm		2	
63 mm		3	
Type of mounting		5' digit	
Stainless steel case and bezel ring 1.4301 (standard)			
Bottom connection, 3 back lugs fixing		A	
Back connection, front flange, 3 mounting holes		B	
Bottom connection		D	
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		6	
Back connection with clamp		7	
Process connection		6' digit	
G1/4		2	
1/4NPT		5	
Liquid filling		7' digit	
Dry		0	
BH1 (glycerin/water) (-20 ... +70°C)		1	
BH2 (glycerin) (+10 ... +90°C)		2	
BH3 (silicone) (-40 ... +100°C)		3	
BH5 (oxygen 160 bar max.) (-15 ... +100°C)		5	
Unit of measurement		8' digit	
bar		B	
kPa		D	
kg/cm²		F	
psi		H	
Pressure ranges		9' ... 10' digit	
See table		xx	

(▶ Standard version)

code	Bar	code	Psi
59	-1 + 0	59	-30"Hg + 0
72	-1 + 0.6	73	-30"Hg + 15
74	-1 + 1.5	75	-30"Hg + 30
76	-1 + 3	2C	-30"Hg + 60
77	-1 + 5	78	-30"Hg + 100
79	-1 + 9	79	-30"Hg + 150
81	-1 + 15	81	-30"Hg + 220
82	-1 + 24	82	-30"Hg + 300
15	0 + 1	15	0 + 15
16	0 + 1.6	1C	0 + 20
18	0 + 2.5	17	0 + 30
19	0 + 4	19	0 + 60
20	0 + 6	21	0 + 100
22	0 + 10	22	0 + 160
24	0 + 16	23	0 + 200
26	0 + 25	25	0 + 300
27	0 + 40	26	0 + 400
29	0 + 60	27	0 + 600
31	0 + 100	30	0 + 1000
33	0 + 160	31	0 + 1500
35	0 + 250	34	0 + 3000
38	0 + 400	38	0 + 6000
39	0 + 600	39	0 + 9000
41	0 + 1000	41	0 + 15000

(1) Monel Version (MEM) is not available in codes 39, 41 and 59

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