



BOURDON
The Original by Baumer

EN-837



Main Features

- For corrosive gasses and liquids
- Class 0.6 (MVX) / 0.25 (MVE) according to EN 837-1
- Wetted parts Stainless steel
- Anti-parallax mirror

Applications

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

Technical Data

Nominal size	150 mm
Measurement range	-1 ... 0 to 0 ... 1000 bar
Pressure limitation	Steady : 75% of full scale value Fluctuating : 60% of full scale value Short time : 100% of full scale value
Accuracy	MVX : Class 0.6 MVE : Class 0.25
Protection rating	IP 65 (EN 60529)
Process Connection	Stainless steel 1.4404 (AISI 316L)
Bourdon tube	Stainless steel 1.4404 (AISI 316L)
Case	Stainless steel 1.4301 (AISI 304)
Bezel ring	Stainless steel 1.4301 (AISI 304), polished
Movement	Stainless steel
Window	Instrument glass
Window gasket	Elastomer
Dial	Aluminium, white Anti-parallax mirror to avoid reading errors

Pointer	Aluminium, black, with edgewise tip
Temperature	Ambient : -20 ... +70°C Medium : -40 ... +200°C Storage : -40 ... +70°C
Thermal drift	± 0.4% F.S. / 10 K (reference : 20°C)
Calibration	P ≤ 60 bar with air P > 60 bar with fluid

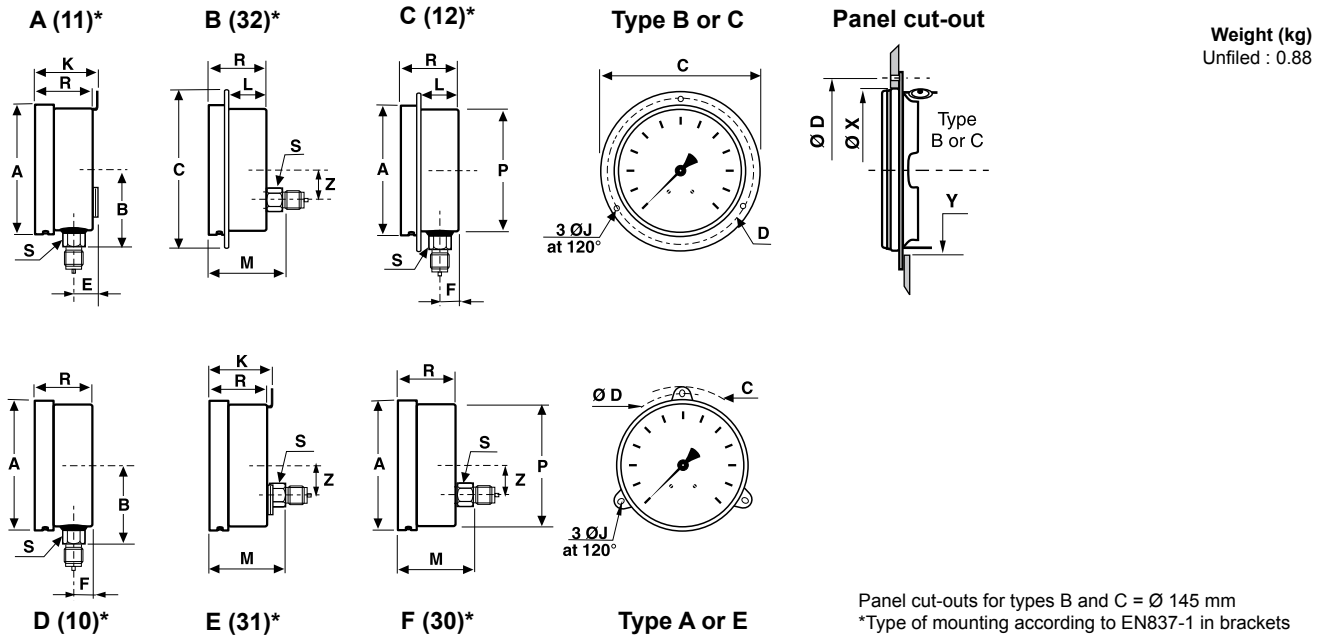
Options

Window laminated safety glass	Code 0751
Window Polymethacrylate	Code 0752
Laboratory cleanliness	Code 0835
Carrying case (only mounting type A-C-D)	Code 9908
Calibration with fluid (P ≤ 60 bar)	Code 0240
Marking on the dial "F"	

To be ordered separately

Calibration with certificate	Code Q1060
Calibration certificate EN837-1 (5 points raising and 5 points falling)	Code Q1070

Dimensions - Types of mounting



mm	A	B	C	D	E	F	J	K	L	M	P	R	S	X	Y	Z
NS 150	150.2	85	180	168	22.5	23	5.5	56.5	39.3	68.5	142	54.5	22	151	145	31.5

Pressure ranges

Code	Bar	Code	kPa
B59	-1 ... 0	D59	-100 ... 0
B72	-1 ... 0.6	D72	-100 ... 60
B74	-1 ... 1.5	D74	-100 ... 150
B76	-1 ... 3	D76	-100 ... 300
B77	-1 ... 5	D77	-100 ... 500
B79	-1 ... 9	D79	-100 ... 900
B81	-1 ... 15	D81	-100 ... 1 500
B82	-1 ... 24	D82	-100 ... 2 400
B12	0 ... 0.6	D12	0 ... 60
B15	0 ... 1	D15	0 ... 100
B16	0 ... 1.6	D16	0 ... 160
B18	0 ... 2.5	D18	0 ... 250
B19	0 ... 4	D19	0 ... 400
B20	0 ... 6	D20	0 ... 600
B22	0 ... 10	D22	0 ... 1 000
B24	0 ... 16	D24	0 ... 1 600
B26	0 ... 25	D26	0 ... 2 500
B27	0 ... 40	D27	0 ... 4 000
B29	0 ... 60	D29	0 ... 6 000
B31	0 ... 100	D31	0 ... 10 000
B33	0 ... 160	D33	0 ... 16 000
B35	0 ... 250	D35	0 ... 25 000
B38	0 ... 400	D38	0 ... 40 000
B39	0 ... 600	D39	0 ... 60 000
B41	0 ... 1 000		

Ordering details MV

	MV	7	-				.	xxx	/
Model	MV								
Test pressure gauge	MV								
Accuracy									
Class 0.6		X							
Class 0.25		E							
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 1/2								3	
1/2 NPT								6	
Liquid filling									
Dry								0	
Unit of measurement / Pressure ranges ⁽¹⁾									
bar									Bxx
kPa									Dxx

Options to be added behind the / (see example below)

⁽¹⁾ Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer.

Ordering example with options

	MVX	7	-	C	6	0	.	B22	/	0751	-	9908
Test pressure gauge class 0.6												
Nominal size 150 mm												
Bottom connection, front flange, 3 mounting holes, case material 1.4301												
Process connection 1/2 NPT												
No liquid filling												
Scale 0 ... 10 bar												
Option : Laminated safety glass												
Option : Carrying case												