

Capsule pressure gauge Model 121A Economic type

Applications

- Robust design and ingress protection IP 54
- For gaseous, dry and non-aggressive media
- Medical, vacuum, environmental, laboratory technology, for contents measurement and filter monitoring

Special features

- Zero adjustment in front
- Economic type
- Special connection location on request

Description

- Design: EN 837-3
- Nominal size in mm: 63, 100, 160
- Accuracy class:
 - NS 63: 1.6
 - NS 100, 160: 1.0
- Scale ranges:
 - NS 63: 0 ... 12.5 mbar to 0 ... 600 mbar
 - NS 100: 0 ... 5 mbar to 0 ... 600 mbar
 - NS 160: 0 ... 5 mbar to 0 ... 600 mbaror all equivalent vacuum or combined pressure and vacuum ranges
- Pressure limitation
 - Steady: Full scale value
 - Fluctuating: 0.9 x full scale value
- Permissible temperature:
 - Ambient: -20 ... +60 °C
 - Medium: +100 °C maximum
- Temperature effect:
 - When the temperature of the measuring system deviates from the reference temperature (+20 °C): max. $\pm 0.6 \text{ \%/10 K}$ of the full span value

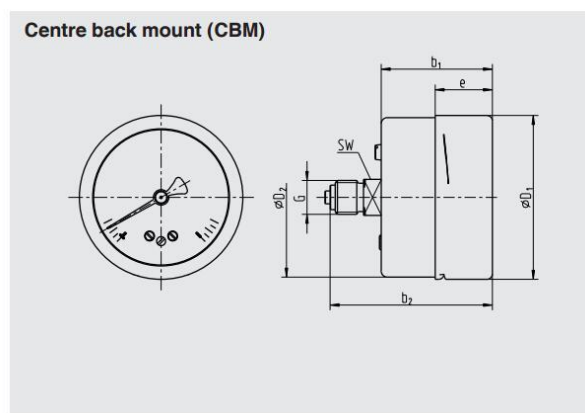
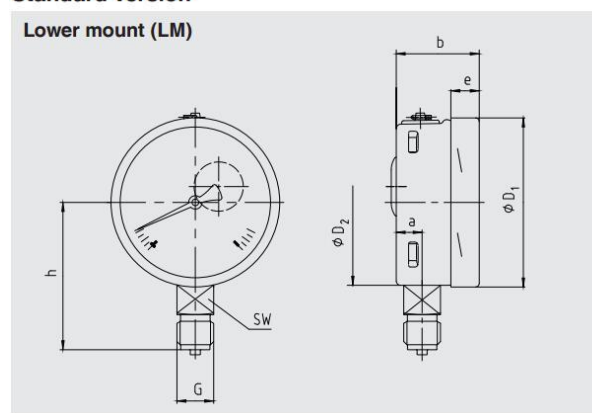


Standard version

- Process connection: Copper alloy
lower mount (LM) or back mount (BM)
- Pressure element: Copper alloy Capsule
- Movement: Copper alloy
- Dial: Aluminum, dial scale can be customized
- Pointer: Aluminum, black or white
- Window: Plastic or glass
- Case: Black steel
- Bezel ring: bayonet bezel

Dimensions in mm

Standard version



NS	Dimensions in mm										Weight in kg
	a	b	b ₁	b ₂	D ₁	D ₂	e	G	h ±1	SW	
63	9.5	42	42	63	64	62	22	G ¼ B	52	14	0.19
100	15.5	49.5	49.5	83	101	99	17.5	G ½ B	87	22	0.60
160	15.5	49.5	49.5	83	161	159	17.5	G ½ B	118	22	1.10

Ordering information

	Code	Example
Basic Model	121A	121A
(121A means low pressure gauge with black steel case and bayonet bezel, brass internal and connection)		
Case Size		
63mm(2.5")	63	63
100mm(4")	100	
160mm(6")	160	
Mounting Type		
Bottom mounting	LM	
Bottom mounting with back flange	LF	
Back mounting	BM	BM
Back mounting with front flange	BF	
Back mounting with U-clamp	BU	
Process connection		
1/8"BSP	1B	
1/8"NPT	1N	
1/8"BSPT	1T	
1/4"BSP	2B	2B
1/4"NPT	2N	
1/4"BSPT	2T	
3/8"BSP	3B	
3/8"NPT	3N	
3/8"BSPT	3T	
1/2"BSP	4B	
1/2"NPT	4N	
1/2"BSPT	4T	
M12*1.5	6M	
M20*1.5	7M	
Pressure range		
-16mbar-0	-16mbar-0	
-25mbar-0	-25mbar-0	
-40mbar-0	-40mbar-0	
-60mbar-0	-60mbar-0	
-100mbar-0	-100mbar-0	
-160mbar-0	-160mbar-0	
-250mbar-0	-250mbar-0	
-400mbar-0	-400mbar-0	

-600mbar-0	-600mbar-0	
-12.5-12.5mbar	-12.5-12.5mbar	
-25-15mbar	-25-15mbar	
-15-25mbar	-15-25mbar	
-40-20mbar	-40-20mbar	
-20-40mbar	-20-40mbar	
-60-40mbar	-60-40mbar	
-40-60mbar	-40-60mbar	
-60-100mbar	-60-100mbar	
-100-60mbar	-100-60mbar	
-100-150mbar	-100-150mbar	
-150-100mbar	-150-100mbar	
-150-250mbar	-150-250mbar	
-250-150mbar	-250-150mbar	
-200-400mbar	-200-400mbar	
-400-200mbar	-400-200mbar	
0-16mbar	0-16mbar	
0-25mbar	0-25mbar	0-25mbar
0-40mbar	0-40mbar	
0-60mbar	0-60mbar	
0-100mbar	0-100mbar	
0-160mbar	0-160mbar	
0-250mbar	0-250mbar	
0-400mbar	0-400mbar	
0-600mbar	0-600mbar	

Options

Custom designed dial	D	D
Neutral dial	without code letter	
Special connection	SC	

Example:

121A63BM2B0-25mbarD

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