

bourdon tube test gauges "solid-front", class 0,25% DS 6" (150mm)



These instruments have been specifically designed for laboratories, instrument testing or recalibration facilities, and for all applications where accuracy and repeatability are of primary importance. They are equipped with a solid stainless steel safety partition, positioned between the dial and the elastic element, and with a blow-out back. In the event of leaks or accidental rupture of the elastic element, any pressure build-up inside the case is safely discharged through the blow-out back, which detaches from the case to protect the operator. These instruments are suitable for use with low-viscosity fluids or gases that do not crystallize. The wetted parts in beryllium copper allow a better accuracy. Upon request, a calibration certificate issued by a laboratory officially recognized by ACCREDIA (Ex S.I.T. - Italian Calibration Service) is also available.

1.17.1 - Standard Model

Design: EN837-1.

Safety designation: S3 as per EN 837-2.

Accuracy class: 0,25 as per EN 837-1.

Ambient temperature: +59...+149 °F (+15...+65 °C).

Process fluid temperature: +149°F (max +65 °C).

Calibration temperature: 68°F (+20 °C).

Thermal drift: ±0,1 %/10 K of range (starting from 68°F - 20°C).

Working pressure: max 75% of FSV.

Overpressure limit:

25% of FSV for ranges ≤ 1000 psi (60 bar).

15% of FSV for ranges ≥ 1500 psi (100 bar).

Protection degree: IP 55 as per IEC 529.

Socket material: AISI 316L st.st.

Bourdon tube: beryllium copper alloy.

Case: stainless steel.

Ring: stainless steel, bayonet lock.

Blow out disk: stainless steel.

Window: safety glass.

Movement: high precision type, horology alloy.

Dial: aluminium, green with black markings and anti-parallax mirror band.

Pointer: adjustable, aluminium, black, knife-edge.

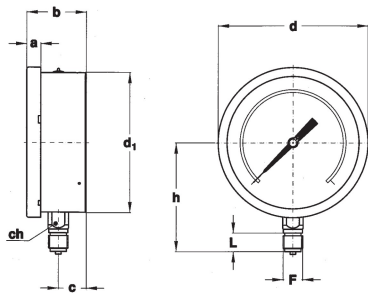
RANGE	Minor graduation	Figure interval	bar	kPa	MPa	psi
-1... 0	0,005	0,10	◆			
0... 0,6	0,002	0,05	◆		◆	
0...1	0,005	0,1	◆		◆	
0...1,6	0,005	0,1	◆		◆	
0...2,5	0,01	0,1	◆		◆	
0...4	0,02	0,2	◆		◆	
0...6	0,02	0,5	◆		◆	
0...10	0,05	1	◆		◆	◆
0...16	0,05	1	◆		◆	◆
0...25	0,1	1	◆		◆	
0...30	0,1	2			◆	◆
0...40	0,2	2	◆		◆	
0...60	0,2	5	◆	◆	◆	◆
0...100	0,5	10	◆	◆	◆	◆
0...160	0,5	10	◆	◆		◆
0...250	1	10	◆	◆		
0...300	1	20	◆	◆		◆
0...400	2	20	◆	◆		◆
0...600	2	50	◆	◆		◆
0...1000	5	100	◆			◆
0...2000	10	100				◆
0...3000	10	200				◆
0...4000	20	200				◆
0...6000	20	500				◆
0...10000	50	1000				◆
0...15000	50	1000				◆

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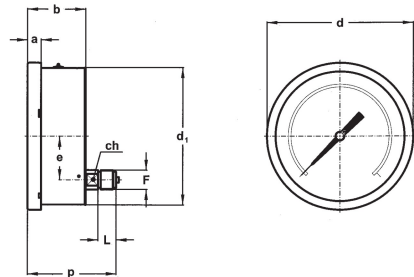
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MN17

R4-06/4



A - LOWER CONNECTION



D - BACK CONNECTION

Mounting	F	a	b	c	ch	d	d ₁	e	h	p	L	Weight
Lower	41M - G 1/2 A	0.59"	2.51"	1.14"	0.94"	6.33"	5.92"		4.64"		0.78"	2.62 lbs
	43M - 1/2-14 NPT	(15)	(64)	(29)	(24)	(161)	(150,5)		(118)		(20)	(1,19 kg)
Back	41M - G 1/2 A	0.59"	2.51"		0.66"	6.33"	5.92"	1.88"		3.83"	0.78"	2.42 lbs
	43M - 1/2-14 NPT	(15)	(64)		(17)	(161)	(150,5)	(47,8)		(97,5)	(20)	(1,10 kg)

dimensions : inches (mm)

PRESSURE GAUGE CARRYING CASE



Instruments with lower connection can be delivered with pressure gauge carrying case, code **5VAL**.

OPTIONS

C -	Back flange, for lower connection pressure gauges
E -	Front flange, for back connection pressure gauges
P02 -	Oxygen service
CE1 -	ACCREDIA certificate (pressure gauges)
CE3 -	ACCREDIA certificate (vacuum gauges)

“HOW TO ORDER” SEQUENCE

Section / Model / Case / Mounting / Diameter / Range / Process connection / Options

1 17 1 A G 41M C...E
D 43M P02...CE3