

bourdon tube test gauges
all stainless steel construction, "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. Thanks to the wetted parts in AISI 316L stainless steel, they are also suitable for use in the most demanding operating conditions, including those created by aggressive environments or process fluids. Upon request, a calibration certificate issued by ACCREDIA (ex S.I.T.-Italian Calibration Service) is also available.

1.25.1 - Standard Model

Design: EN 837-1.

Safety designation: S3 as per EN 837-2.

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

Ambient temperature: $-4...+149\text{ }^{\circ}\text{F}$ ($-20...+65\text{ }^{\circ}\text{C}$).

Process fluid temperature: $+149\text{ }^{\circ}\text{F}$ (max $+65\text{ }^{\circ}\text{C}$.)

Calibration temperature: $68\text{ }^{\circ}\text{F}$ ($+20\text{ }^{\circ}\text{C}$).

Thermal drift: $\pm 0,4\text{ } \%/10\text{ K}$ of range (starting from $68\text{ }^{\circ}\text{F}$ - $20\text{ }^{\circ}\text{C}$).

Working pressure: max 75% of FSV

Overpressure limit:

25% of FSV for ranges up to 1450 psi (100 bar);

15% of FSV for ranges over 1450 psi (100 bar).

Protection degree: IP 55 as per IEC 529.

Socket material: AISI 316L st.st.

Bourdon tube: AISI 316L st.st. seamless tube.

Case: stainless steel.

Ring: stainless steel, bayonet lock.

Blow out disk: stainless steel.

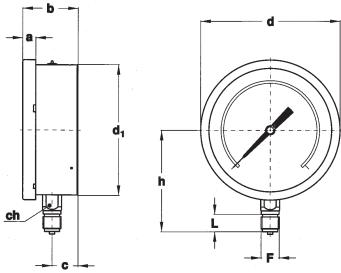
Window: safety glass.

Movement: high precision, horology alloy.

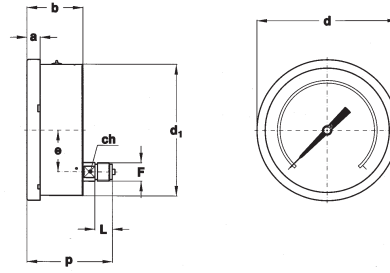
Dial: aluminium, white with black markings and anti-parallax mirror band.

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

RANGE	Minor graduation	Figure interval	bar	kPa	MPa	psi
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	◆	◆		◆



A - LOWER CONNECTION



D - BACK CONNECTION

Mounting	F	a	b	c	d	d ₁	e	h	p	L	ch	Weight
Lower	41M G 1/2 A	0.59" (15)	2.51" (64)	1.14" (29)	6.33" (161)	5.92" (150,5)		4.60" (117)		0.78" (20)	0.86" (22)	2.62 lbs (1,19 kg)
Back	43M 1/2-14 NPT	0.59" (15)	2.51" (64)		6.33" (161)	5.92" (150,5)	1.88" (47,8)		3.83" (97,5)	0.78" (20)	0.66" (17)	2.42 lbs (1,10 kg)

dimensions : inches (mm)

PRESSURE GAUGE CARRYING CASE



Instruments with radial connection can be supplied of pressure gauge carrying case, code **5VAL**.

OPTIONS

C -	Back flange, for lower connection pressure gauges
CE1 -	ACCREDIA certificate (pressure gauges)
P02 -	Oxygen service

"HOW TO ORDER" SEQUENCE

Section / Model / Case / Mounting / Diameter / Range / Process connection / Options
1 25 1 A G 41M C
D 43M CE1...P02