

bourdon tube test gauges **all stainless steel construction, "solid-front"** **class 0,25%** **DS 6" (150mm)**



These instruments have been designed for laboratories, instrument testing or recalibration facilities and to be used in other applications where accuracy and repeatability are of primary importance. These instruments have a solid separating wall in stainless steel, placed between the dial and the elastic element and an integral blow out back that is released from the case whenever a pressure is created inside the case, due to leaks or accidental ruptures of the elastic element. The process fluids should be gases or liquids, they must not have high viscosity and must not cristalize. The wetted parts in AISI 316L allow to use them in the worst working conditions determined by aggressive medium and environment. Upon request we can supply the calibration certificate issued by an Internationally recognized laboratory of ACCREDIA (Ex S.I.T. - Italian Calibration Service).

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 °F (-20...+65 °C).

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

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

Thermal drift: ±0,4 %/10 K of range (starting from 68°F - 20°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.

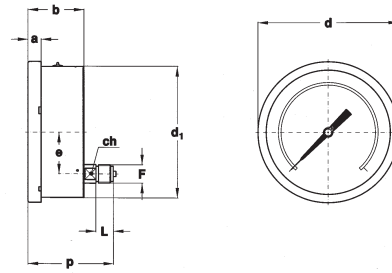
Window: safety glass.

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	◆	◆		◆



D - BACK CONNECTION

dimensions : *inches* (mm)

A black, rugged carrying case is shown open, revealing a white foam insert. A circular pressure gauge with a green face and a silver metal rim is resting on the foam. The gauge has a single needle and a scale with markings. The case has a black handle on top and a latch on the front.

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

