

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



PED 2014/68/UE

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.

1.16.1 - Standard Model

Design: EN837-1.

Safety designation: S3 as per EN 837-2.

Accuracy class: 0,6 as per EN 837-1.

Ambient temperature: -13...+149 °F (-25...+65 °C).

Process fluid temperature: -40...+302°F (-40...+150 °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: 30% of FSV.

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

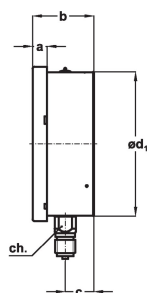
Window: safety glass.

Movement: stainless steel with internal limit stops of minimum and maximum pressure.

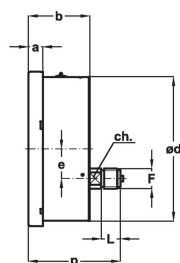
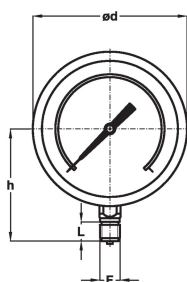
Dial: aluminium, white with black markings and anti-parallax mirror band

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

RANGE	Minor graduation	Figure interval	bar	kPa	MPa	psi
-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				◆



A - LOWER CONNECTION



D - BACK CONNECTION

Mounting	F	a	b	c	ch	ød	ød ₁	e	h	p	L	Weight
Lower	41M - G 1/2 A	0.59"	2.51"	1.18"	0.86"	6.33"	5.92"		4.60"		0.78"	2.49 lbs
	43M - 1/2-14 NPT	(15)	(64)	(30)	(22)	(161)	(150,5)		(117)		(20)	(1,13 kg)
Back	41M - G 1/2 A	0.59"	2.51"		0.66"	6.33"	5.92"	1.22"		3.79"	0.78"	2.27 lbs
	43M - 1/2-14 NPT	(15)	(64)		(17)	(161)	(150,5)	(31)		(96,5)	(20)	(1,03 kg)

dimensions : inches (mm)

CARRYING CASE



Instruments provided with lower connection may be delivered with a carrying case, code **5VAL**.

OPTIONS

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

"HOW TO ORDER" SEQUENCE

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

1 16 1 A G 41M C...E
D 43M CE1...P02