

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

**MN16**



✓ - All instruments are supplied with calibration report referred to master primary instrument.

**CE** Compliance to requirement of PED 97/23/EC

These instruments have been designed for laboratories, instrument testing or recalibration facilities and 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. They can be used with fluids or gasses that do not have high viscosity and do not crystallize. The wetted parts in AISI 316L permits to use them in worse working conditions determined by aggressive ambients or process fluids. Upon request we can supply the calibration certificate issued by an Internationally recognized laboratory of S.I.T. (Servizio Italiano Taratura - Italian Calibration Service).

**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

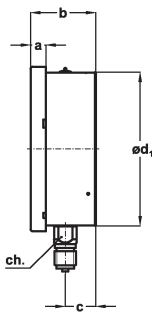
**Window:** safety glass.

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

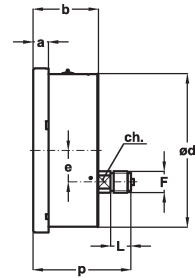
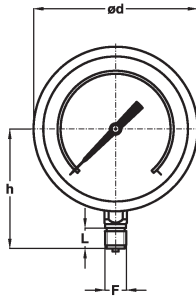
**Dial:** aluminium, white with black markings and anti-parallax mirror band

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

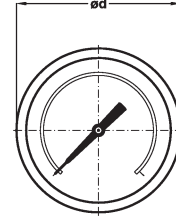
RANGE	Minor graduation	Figure interval	bar	kPa	MPa	psi
-1...0	0,005	0,1	♦			
0...0,6	0,002	0,05	♦		♦	
0...1	0,005	0,1	♦		♦	
0...1,6	0,005	0,1	♦		♦	
0...2,5	0,01	0,2	♦		♦	
0...4	0,02	0,2	♦		♦	
0...6	0,02	0,5	♦		♦	
0...10	0,05	1	♦		♦	♦
0...16	0,05	1	♦		♦	♦
0...25	0,1	2	♦		♦	
0...30	0,1	2	♦		♦	♦
0...40	0,2	2	♦		♦	
0...60	0,2	5	♦	♦	♦	♦
0...100	0,5	10	♦	♦		♦
0...160	0,5	10	♦	♦		♦
0...250	1	20	♦	♦		
0...300	1	30	♦	♦		♦
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 <sub>1</sub>	e	h	p	L	Weight
Lower	<b>41M</b> - G 1/2 A	0.59"	2.51"	1.18"	0.86"	6.33"	5.92"		4.60"		0.78"	2.49 lbs
	<b>43M</b> - 1/2-14 NPT	(15)	(64)	(30)	(22)	(161)	(150,5)		(117)		(20)	(1,13 kg)
Back	<b>41M</b> - G 1/2 A	0.59"	2.51"		0.66"	6.33"	5.92"	1.22"		3.79"	0.78"	2.27 lbs
	<b>43M</b> - 1/2-14 NPT	(15)	(64)		(17)	(161)	(150,5)	(31)		(96,5)	(20)	(1,03 kg)

dimensions : inches (mm)

### PRESSURE GAUGE HOLDER CASE



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

### OPTIONS

<b>C</b> - Back flange, for lower connection pressure gauges
<b>E</b> - Front flange, for back connection pressure gauges
<b>CE1</b> - S.I.T. certificate for pressure gauges
<b>CE3</b> - S.I.T. certificate for vacuum
<b>P02</b> - 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 A40...P02**