

laboratory pressure gauges

class 0,1%

DS 10" (250mm)

MN17/L



These instruments have been designed for use as in laboratories, instrument testing or recalibration facilities or in applications where accuracy and repeatability are of prime importance. They can be used with gaseous or liquid media which do not corrode copper alloy and which do not have high viscosity nor cristalize. Each instruments is delivered with a Nuova Fima calibration report, who guarantee traceability to the national and international primary master of pressure measurements. On request we can supply the calibration certificate issued by a recognised laboratory of S.I.T. (Italian Calibration Service).

1.27.1 - Standard Model

Design: EN837-1.

Safety designation: S1 as per EN 837-2.

Accuracy class:

0,1 as per EN837-1, for ranges ≤ 8700 psi (600 bar);

0,25 as per EN837-1, for ranges > 8700 psi (600 bar).

Ambient temperature: $+50...+140^{\circ}\text{F}$ ($+10...+60^{\circ}\text{C}$).

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

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

Thermal drift: $\pm 0,04$ % of full scale range for variations of $\pm 50^{\circ}\text{F}$ (10°C) of ambient temperature in comparison with the calibration temperature

Working pressure: max 75% of FSV

Overpressure limit: not suitable.

Protection degree: IP 44 as per IEC 529.

Socket material: AISI 316L st.st.

Bourdon tube: beryllium copper alloy.

Case: aluminium black painted.

Ring: aluminium black painted.

Window: plastic.

Movement: high precision.

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

Scale amplitude: 310° .

Zero calibration: external, manual.

Pointer: balanced, knife-edge micrometer.

PRESSURE GAUGES

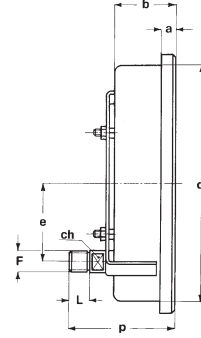
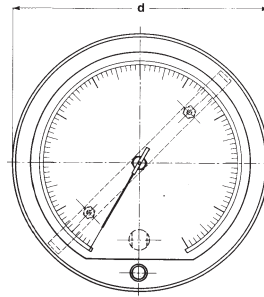
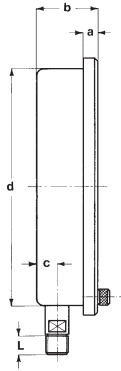
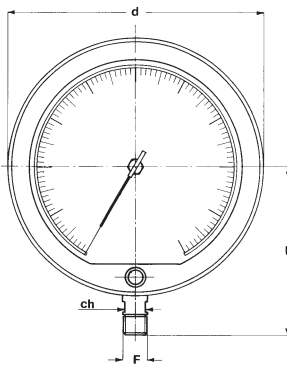
RANGES	Minor graduation	Figure interval	bar	kPa	MPa	PSI	bar ext.* kg/cm ² psi int.
0...1	0,002	0,02	◆		◆		
0...1,6	0,005	0,05	◆		◆		
0...2,5	0,005	0,05	◆		◆		◆
0...4	0,01	0,1	◆		◆		◆
0...6	0,02	0,2	◆		◆		◆
0...10	0,02	0,2	◆		◆		◆
0...16	0,05	0,5	◆		◆	◆	◆
0...25	0,05	0,5	◆		◆	◆	◆
0...40	0,1	2	◆		◆	◆	◆
0...60	0,2	2	◆		◆	◆	◆
0...100	0,2	2	◆	◆	◆	◆	◆
0...160	0,5	5	◆	◆	◆	◆	◆
0...250	0,5	5	◆	◆		◆	◆
0...400	1	10	◆	◆		◆	◆
0...600	2	20	◆	◆		◆	◆
0...1000	2	20	◆	◆		◆	◆
0...1600	5	50	◆	◆		◆	◆

* accuracy refers to the outer scale.

VACUUM

RANGES	Figure interval	Minor graduation	bar ext.* mm Hg inch Hg int.
-1±0	0,002	0,02	◆

* accuracy refers to the outer scale.



A - LOWER CONNECTION

D - BACK CONNECTION

Mounting	F	a	b	c	d	d ₁	e	h	L	ch	p	Weight
Lower	41M - G 1/2 A	0.59"	2.44"	0.76"	10.62"	9.72"		6.69"	0.78"	0.66"		6.83 lbs
	43M - 1/2-14 NPT	(15)	(63)	(19,5)	(270)	(247)		(170)	(20)	(17)		(3,1 kg)
Back	41M - G 1/2 A	0.59"	2.44"		10.62"	9.72"	3.14"		0.78"	0.66"	3,72"	1.47 lbs
	43M - 1/2-14 NPT	(15)	(63)		(270)	(247)	(80)		(20)	(17)	(111,5)	(3,25 kg)

dimensions : inches (mm)

OPTIONS

A40 -Case
CE1 -S.I.T. certificate (pressure)
CE3 -S.I.T. certificate (vacuum and compound)
K02 -Accuracy class 0,25% as per EN837-1, for ranges ≤ 600 bar

"HOW TO ORDER" SEQUENCE

Section / Model / Case / Mounting / Diameter / Range / Process connection / Options
1 27 1 A I 41M P03...T01
D 43M