

laboratory pressure gauges

class 0,1%

DS 10" (250mm)

MN17/L

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



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. Upon request we can supply the calibration certificate issued by an Internationally recognized laboratory of ACCREDIA (Ex 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: $\pm 0,04\%$ / 10 K of range (starting from 68°F - 20°C).

Working pressure: max 75% of FSV

Overpressure limit: not suitable.

Protection degree: IP 44 as per EN 60529 / 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	0,05	♦		♦		
0...1,6	0,005	0,1	♦		♦		
0...2,5	0,005	0,1	♦		♦		♦
0...4	0,01	0,2	♦		♦		♦
0...6	0,02	0,5	♦		♦		♦
0...10	0,02	1	♦		♦		♦
0...16	0,05	1	♦		♦	♦	♦
0...25	0,05	0,5	♦		♦	♦	♦
0...40	0,1	2	♦		♦	♦	♦
0...60	0,2	5	♦		♦	♦	♦
0...100	0,2	5	♦	♦	♦	♦	♦
0...160	0,5	10	♦	♦	♦	♦	♦
0...250	0,5	10	♦	♦		♦	♦
0...400	1	20	♦	♦		♦	♦
0...600	2	50	♦	♦		♦	♦
0...1000	2	50	♦	♦		♦	♦
0...1600	5	100	♦	♦		♦	♦

* 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.

