

Digital Manometer (Accuracy 0,1%)

Ideal for calibration of Galiso R4 and R4O advanced highly accurate test systems

A piezoresistive pressure transducer is at the heart of the instrument which has gone through extensive pressure- and temperature tests. Characteristics are stored in the instruments internal EEPROM.

The μ P reads the values and calculates from the pressure to an accuracy of 0.1 % over a temperature range of 0...50 °C.



The pressure is measured twice per second and displayed. The top display indicates the actual pressure, the bottom display shows the MAX.- or MIN- pressure since the last RESET.

LEO 2 has two operating keys. The left key is to turn the instrument on, to select the functions and the pressure units. The right key executes the selected function or unit. The right key is also used to switch between the MAX.- and MIN.-value.

The instrument has the following functions:

- RESET Max and Min values set to the actual pressure value.
- ZERO Allows setting of any value as a new Zero reference. Can compensate for Barometric pressure variations
- CONT The instrument turns off 15 Min. after the last key function. Activating cont (Continuous) deactivates this automatic turn-off.
- UNITS The pressure can be indicated in the following units: bar, mbar/hPa, kPa, MPa, PSI, kp/cm2. Resolution \approx 3 psi in psi range

Accuracy RT (room temperature)*

< 0,1 %FS

Total Error Band (0...50 °C)

< 0,2 %FS

Storage- / Operating Temperature

-20...70 °C / 0...50 °C

Compensated Temperature Range

0...50 °C

Supply 3 V battery,

type CR 2430

Battery Life

1'000 hours continuous operation

Pressure Connection

7/16"-20 UNF (adapter G 1/4" included)

Protection,

CEI 529 IP 65

Diameter x Height x Depth

59 x 95 x 32 mm

Weight

\approx 125 g

* Includes linearity, repeatability, hysteresis, temperature error and display resolution

