



KELLER

DIGITAL MANOMETER

WITH MAX.- AND MIN.-FUNCTION / ACCURACY: 0,1%

LEO 2

a Mano 2000 product

LEO 2 is a compact, micro-processor (μ P) controlled, highly accurate and versatile pressure measuring instrument with digital indication. The piezoresistive pressure transducer as the heart of the instrument has gone through extensive pressure- and temperature tests. Its characteristics are stored in the instruments internal EEPROM. The μ P of the LEO 2 reads the characteristic values and calculates therefrom the pressure to an accuracy of 0,1 % over the 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: With the RESET-function, the MAX.- and MIN.-value is set to the actual pressure value.

ZERO: Any value can be set as a new Zero reference. The instruments are calibrated in a sealed gauge mode with the ambient pressure (\approx 1 bar) as a Zero reference.

The ZERO allows to compensate for the variation of the barometric pressure or to transfer LEO 2 in an absolute measuring mode by applying a vacuum and executing the zero.

CONT: The instrument turns off 15 Min. after the last key function. Activating CONT (Continuous) deactivates this automatic turn-off.

UNITS: All standard instruments are calibrated in bar. The pressure can be indicated in the the following units: bar, mbar / hPa, PSI, kPa, MPa.

LEO 2 has 7/16" UNF male thread and is delivered complete with an O-ring seal swivel fitting which allows LEO 2 to be rotated through 360°. Only minimal tightness is needed to seal up to 300 bar. Process pressure connection is G 1/4" male.

Accessories (optional): Protective rubber covering and carrying bag.



"Swivel"



Adapter G1/4"

SPECIFICATIONS

Pressure Ranges, Resolution, Accuracy:	Range	Resolution	Total Accuracy (0...50°C)*
	-1...3 bar	1 mbar	typ. 4 mbar max. 6 mbar
	-1...30 bar	10 mbar	typ. 30 mbar max. 60 mbar
	0...300 bar	100 mbar	typ. 0,3 bar max. 0,6 bar
	0...700 bar	200 mbar	typ. 0,7 bar max. 1,4 bar

* Includes linearity, repeatability, hysteresis, temperature error and resolution of the display. Does not include Zero Stability.

Accuracy	0,1 % FS typ. 0,2 % FS max.
Storage- / Operating Temperature	-30...80 °C / 0...50 °C
Compensated Temperature Range	0...50 °C
Supply	3 V battery, type CR 2430
Battery Life	• 1400 hours continuous operation "BAT LOW" warning on display.
Pressure Connection	7/16"-20 UNF (adapter G1/4" included)
Protection, CEI 529	IP65
Diameter x Height x Depth	59 x 95 x 32 mm
Weight	\approx 125 g



LEO 2 with the protective rubber covering, suitable for toughest applications.



Subject to alterations

9/00

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