

DIGITAL MANMETER KELLER

Special Feature:

LEO 2 is a compact, micro-processor (μP) 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 μP of the LEO 2 reads the characteristic values and calculates therefrom the pressure to an accuracy of $< 0,1 \%FS$ at room temperature. 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** : The ZERO-function allows to set any value as a new Zero reference. Barometric pressure variations can thus be compensated. The factory setting of the Zero for the ranges -1...3 bar or -1...30 bar is at 0 bar absolute. For sealed gauge pressure measurements, activate "ZERO SET" at ambient pressure. Instruments with ranges > 30 bar are calibrated in a sealed gauge mode at ambient pressure
- 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, kPa, MPa, PSI, kp/cm²

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.

Specifications:

Pressure Ranges, Resolution, Overpressure	:	Range	Resolution	Overpressure
		-1...3 bar	1 mbar	10 bar
		-1...30 bar	10 mbar	60 bar
		0...300 bar	100 mbar	400 bar
		0...700 bar	200 mbar	700 bar
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	:	125 g		

