

HIGHLY PRECISE DIGITAL MANOMETER KELLER

Special Feature:

LEX 1 is a micro-processor controlled, accurate and versatile digital pressure measuring instrument with integrated Max.-/Min.-function for calibration and testing purposes.

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



LEX 1 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 resp. unit or serves to display 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 ≤ 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 with ambient pressure as a Zero reference

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 13 different units

Specifications:

Pressure Ranges, Resolution, Overpressure	:	Range	Resolution	Overpressure
		-1...2 bar 0,	1 mbar	3 bar
		-1...20 bar	1 mbar	30 bar
		0...200 bar	10 mbar	300 bar
		0...400 bar	50 mbar	600 bar
		0...1000 bar	100 mbar	1100 bar
Number of Digits	:	5 Digit		
Accuracy (10...30 °C) *	:	0,05 %FS (including linearity, repeatability and hysteresis)		
Precision *	:	0,05 %FS		
Precision optional (≥ 20 bar) *	:	0,025 %FS / 0,01 %FS		
Storage- / Operating Temperature	:	-10...60°C / 0...50°C		
Compensated Temperature Range	:	0...50°C		
Supply	:	3 V battery, type CR 2430		
Battery Life	:	2000 hours continuous operation		
Pressure Connection	:	G1/4"		
Power	:	2 X AA Batteries		
Product Weight	:	300g		
Size	:	(Approx) 23.5 x 7.0 x 3.0cm		
Interface	:	RS485; rear-sided mating plug "Fischer" compatible with PC-converter cable K103-A (RS232) and K104-A (USB)		
Protection	:	IP65		
Diameter x Height x Depth	:	76 x 118 x 42 mm		
Weight	:	210 g		