



# KELLER

## DIGITAL MANOMETER

WITH MAX.- AND MIN.-FUNCTION / ACCURACY: 0,5%

### ECO 1

a Mano 2000 product

ECO 1 is a compact and economic digital pressure measuring instrument based on a mask programmed OKI-micro-processor. It is of medium accuracy, but of high resolution and repeatability.

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.

ECO 1 has two operating keys. The left key is to turn the instrument on and to execute its functions (the functions appear successively on the display as long as the key is pressed and are executed when releasing the key). 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.

**OFF:** Turns off the instrument.

**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 ECO 1 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.

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 G 1/4"

### SPECIFICATIONS

Ranges rel.	-1...30 bar	0...300 bar
Resolution	10 mbar	100 mbar
Accuracy	0,5 % FS typ.	1 % 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	
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	



ECO 1 with the protective rubber covering, suitable for toughest applications.

Subject to alterations

9/00

**KELLER AG für Druckmesstechnik**  
KELLER Gesellschaft für Druckmesstechnik mbH

St. Gallerstrasse 119  
Schwarzwaldstrasse 17

CH-8404 Winterthur  
D-79798 Jestetten

Tel. 052 - 235 25 25  
Tel. 07745 - 9214 - 0

Fax 052 - 235 25 00  
Fax 07745 - 9214 - 50