



DIGITAL MANOMETER

ECO 2

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

ECO 2 is a compact and economical digital pressure measuring instrument providing medium accuracy at high resolution and repeatability. The piezoresistive pressure transducer as the heart of the instrument has gone through extensive pressure- and temperature tests.

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 2 has two operating keys. The left key turns on the instrument and is used 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 pressure value as a zero reference. Barometric pressure variations can thus be compensated.

The factory setting of the Zero for the range -1...30 bar is at vacuum (0 bar absolute). For relative pressure measurements, activate "ZERO SEt" at ambient pressure. Instruments with the range 0...300 bar are calibrated with the zero at atmospheric 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.

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

Optional accessories: - Protective rubber covering

- Carrying bag







Adapter G 1/4"

Specifications

Pressure Ranges -1...30 bar 0...300 bar Resolution 10 mbar 100 mbar Overpressure 60 bar 400 bar

Accuracy @ Room Temperature * < 0.5 %FS

Total Error Band (0...50 °C) < 1 %FS (accuracy incl. temperature error))

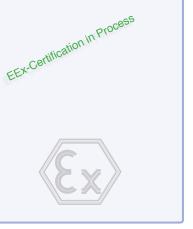
Storage-/Operating Temperature
Supply
3 V battery, type CR 24300
Battery Life
1'000 hours continuous operation
7/16"-20 UNF (adapter G 1/4" included)
Materials in Media Contact
ECO 2: AISI 316L (DIN 1.4404/1.4435)
Swivel: Brass nickel-plated, Nitril O-Rings

Adapter: Galvanised steel (9 SMnPb 28K), NBR profile seal

Protection IP 65

 $\begin{array}{ll} \mbox{Diameter x Height x Depth} & \mbox{59 x 95 x 32 mm} \\ \mbox{Weight Instrument / Adapter} & \approx 100 \ \mbox{g / 40 g} \end{array}$

* Includes linearity, repeatability, hysteresis and resolution of the display. Does not include Zero stability. CE



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Subject to alterations
Companies approved to ISO 9001

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