

LEAK PREVENTION TECHNOLOGY

For a clean and protected environment



New: Digital Manometer **DM 12-2**

Measuring range -1...+2 bar



Improved technology in a new design: The digital measuring device DM 12-2 is characterized by numerous upgrades.

- Measuring range from -1000 to 2000 mbar
- Easier handling thanks to the internal sensor: Simply plug in the hose and the test process can begin.
- Display now in bar, kPa, MPa, PSI, mbar and mmHg
- More functions: Auto-Off, hold function, min/max, offset and scale, tare function
- Tracking of the measurement in RealLife on the PC



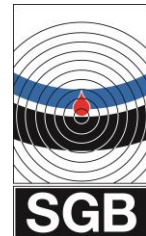
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Technical Data

Measuring range:	-1000 ... 2000 mbar
Overload:	max. 4 bar (without destruction or recalibration of sensor being necessary)
Resolution:	1 mbar
Accuracies: (typ.)	
Hysteresis and linearity	±0.2 % FS
Temp. depending 0 - 50 °C	±0.4 % FS
Pressure units:	selectable (mbar, bar, kPa, MPa, mmHg, PSI, m H ₂ O)
Measuring rate:	slow: 4 meas./sec (ConF - Rate = Slow) fast: >1000 meas./sec (ConF - Rate = FASt and P.dEt)
Nominal temperature:	25°C
Sensor:	Piezo-resistive relative pressure sensor integrated in device. Suitable for air and non-corrosive and non-ionizing gases and liquids. (Not suitable for water – use air buffering!)
Connection:	2 (1) metal pressure ports for connection to 6 x 1 mm (4 mm inner tube Ø) or 8 x 1 mm (6 mm inner tube Ø) tubes at the top of device
Display:	2 four digit LCDs (12.4 mm high and 7 mm high) for measuring values, and for min/ max memories, hold function, etc. as well as additional functional arrows.
Pushbuttons:	6 membrane keys
Output:	3.5 mm audio plug, stereo
Interface:	Serial interface (3.5 mm jack) can be connected to USB or RS232 interface of a PC via electrically isolated interface adapter USB 3100, USB 3100 N, GRS 3100 or GRS 3105 (see accessories)
Power supply:	9V battery, type: IEC 6F22 (<i>included in scope of supply</i>) as well as additional d.c. connector (diameter of internal pin 1.9 mm) for external 10.5-12V direct voltage supply.  (suitable power supply: GNG10/3000)
Power consumption:	~ 0.6 mA
Low battery warning:	'bAt'
Working conditions:	-20 ... +50°C, 0 ... 95 % r.F. (not condensing)
Storage temperature:	-20 ... +70°C
Housing:	impact-resistant ABS, membrane keyboard, transparent panel, front side IP65
Dimensions:	142 x 71 x 26 mm (L x W x D) + metal pressure ports 11 mm at top of device
Weight:	approx. 165 g
Directives/standards:	The instruments confirm to following European Directives: <ul style="list-style-type: none">• 2014/30/EU EMC directive• 2011/65/EU RoHS Applied harmonized standards: <ul style="list-style-type: none">• EN 61326-1:2013 emissions level: class B emi immunity according to table 3 and A.1 Additional fault: < 1 %

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