

Digital handheld manometer LR-Cal HMG 1

- Easy handling and very good performance
- Piezoresistive measuring element ensures high reliability and accuracy
- Measurement of pressure, vacuum (negative pressure) and differential pressure (display of positive and negative overpressure)
- Pressure ranges from 0...1 mbar to 0...10 bar
- Zeroing by means of potentiometer
- Note in the display when the battery voltage is too low

The LR-Cal HMG 1 handheld pressure gauges are suitable for measuring non-corrosive and dry gases, e.g. air, dry gases.

The LR-Cal HMG 1 digital handheld pressure gauges measure differential and gauge pressure in air and non-aggressive gases. Absolute pressure measurement in the barometric range is also possible with the corresponding model (see below.)



A 3.5 digit LC display shows the measured values. Their output can optionally be made via a 0...1 V analog output (option -A). The instruments are operated with 9 V batteries (type 6F22). If the minimum permissible operating voltage is not reached, „low-Bat“ is shown in the display.

Typical applications:

- Testing of blower controls
- Testing of air filters
- Flow measurements in gases
- Pressure monitoring in pressure chambers
- Medical technology

Order-Code	Range [mbar]	Range [kPa]	Maximal Overload [mbar]	Maximal Linearity Error [±% FS]	Maximal Temperature Error 0-50°C [% FS]	Long-term Stability [±% FS / year]	Repeat-Precision [±% FS]	Measuring per Second
HMG1-0001	0...1	0...0,1	250	0.5	4.0	2.0	1	2.5
HMG1-0002	0...2,5	0...0,25	250	0.8	2.5	2.0	0.3	2.5
HMG1-0005	0...5	0...0,5	350	0.8	1.2	1.0	0.3	2.5
HMG1-0010	0...10	0...1	350	0.8	1.0	0.5	0.2	2.5
HMG1-0025	0...25	0...2,5	350	0.7	1.0	0.1	0.1	2.5
HMG1-0050	0...50	0...5	350	0.7	1.0	0.1	0.1	2.5
HMG1-0100	0...100	0...10	350	0.5	1.0	0.1	0.1	2.5
HMG1-1000	0...1000	0...100	2-fold	0.5	1.0	0.1	0.1	2.5
HMG1-1999	0...1999	0...50	2-fold	0.5	1.0	0.1	0.1	2.5
HMG1-1010	0...10 bar	0...100	1.2-fold	0.5	2.0	0.1	0.1	2.5
HMG1-1100-ABS	700...1100 absolute	10...110 absolute	3-fold	±0.9 mbar	2.3 mbar	0.1	0.1	2.5

HMG 1 Digital handheld manometer for pressure, vacuum & differential pressure

LR-Cal



Technical data:

Operating temperature: 0...+50°C

Hysteresis: 0,1%

Medium: Air, all non-aggressive gases

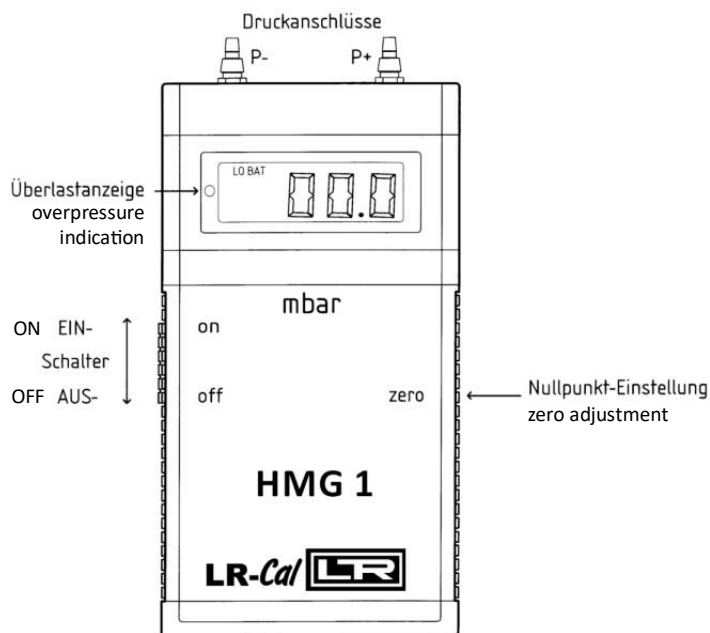
Power supply: battery 9 V E-block 6F22

Pressure ports: 2 ports for hoses with 4 or 6 mm inner diameter

Weight: approx. 190 g incl. battery

Protection degree: IP 54

Dimension: 85 x 160 x 31 mm



Option „-A“ (analogue output 0...1 V):

Analogue output signal: 0...1 V ($R_L \geq 2 \text{ K}\Omega$)

Electrical connection: Socket for 3.5 mm jack plug, 2-pole

Optional accessories:

Code 500.9.000.0001.0

Hydrophobe filter



Code 500.0.000.9999.9

PVC hose (per meter) 4 x 6 mm

Code 500.9.000.0002.0

Quick coupling T-piece for hose 4 x 6 mm

Code 2950-KOFFER

Case with custom foam insert with space for LR-Cal HMG 1 with pressure test pumps LR-Cal 2911 and LR-Cal 2941

Code LPP-10-KOFFER

Case with custom foam insert with space for LR-Cal HMG 1 with pressure test pump LR-Cal LPP 10

Pressure test pumps LR-Cal 2911 and 2941, LR-Cal LPP 10 and LR-Cal LPP 40



LR-Cal 2911 + 2941



LR-Cal LPP 10



LR-Cal LPP 40



LR-Cal LAP-P