



Portable Manometer Type HMG 1
for small pressure, vacuum, differential pressure

HMG 1

Portable Manometer Type HMG 1
for small pressure, vacuum and differential pressure
Ranges from 0/2.5 mbar to 0/1000 mbar
Option: Analogue output 0-1 V



- Supervision of airblowers and airfilters
- Supervision of liquid levels
- Controlling of aircurrents
- Pressure controlling in clean rooms
- Medical engineerings

Description:

The portable manometer HMG 1 measures positive or negative overpressure, differential pressure or optionally volume current. Also an absolute pressure type is available. The measured values are shown on a well visible 3.5 digit LCD (12.7 mm high). Optional an analogue output 0-1 V is available. Because of the use of piezoresistive sensors, the HMG 1 reaches a high reliability and precision. The HMG 1 is battery operated (9 V, type 6F22). In case of low battery "low Bat" is shown in the display. Each instrument is supplied with an individual inspection certificate.

Available Types:

Type	Output Signal
HMG 1	no output signal
HMG 1-1	output 0-1 V

Technical Data:

Pressure Range (mbar)	Pressure Range (kPa)	Over-pressure (mbar)	Linear error max.	Temp. error (max) 0-50°C	long-term stability	Repeatability	Response time
0 - 2.5	0 - 0.25	250	± 1% FS	± 2% FS	2% / year	0.3% FS	1 ms
0 - 5	0 - 0.5						
0 - 10	0 - 1	375	± 1% FS	± 1% FS	1% / year	0.2% FS	
0 - 25	0 - 2,5						
0 - 100	0 - 10	750	± 0.6% FS	± 0.7% FS	0.1%/year	0.1% FS	
0 - 250	0 - 25	1125					
0 - 500	0 - 50	triple					
0 - 1000	0 - 100						
700-1100 absolute	70-110 absolute	triple	±0.9 mbar	±2.3 mbar	0.1%/year	0.1% FS	1 ms

Operating temperature: -20°C to +70°C
Hysteresis: 0.1%
Compatible media: Air, non-aggressive gases
Pressure connection: 2 connections for hoses with 4 mm inner diameter
Weight: appr. 190 g (incl. battery - battery not included in standard supply)
Protection: IP 54
Dimension: 85 mm x 160 mm x 31 mm
Analogue output: 0-1 V, RL >= 2 Kilo-Ohm
(only Type HMG 1-1): Electr. connection: 2.5 mm handle plug 2-pole



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