

# PRESSURE HANDHELD METER

## HMG1-6

options: with Volt output / HMG6 with zero point adjustment on the front

The handheld pressure gauges Type HMG1 and HMG6 measure difference and absolute pressure, relative pressure in air and non aggressive gases. Both types have a 3,5 digit LCD display with 12,7 mm character height. As option an analogue output signal can be given to 0-1V (type HMG1-1, HMG6-1). The pressure gauges measure with high reliability and precision. The meter operate with a 9V battery type 6F22. The battery power control generates "low bat" on the display. Pressure overload is shown by a red LED in the left margin of the display. The pressure gauge type HMG6 differs from HMG1 by the additional fine adjustment of the zero point on the front. By electronic linear correction of the linear failure the HMG6 has a higher precision. With every pressure gauge we deliver an individual calibration certificate.



### APPLICATIONS

- control of air blowers
- supervision of air filters
- mechanical and system engineering
- pressure control and regulation
- e.g. in pressure chambers
- medical engineering

### ORDER KEY

- HMG1 standard
- HMG1-1 with 0..1V output
- HMG6 standard
- HMG6-1 with 0..1V output

### FEATURES

- connection: 2x tube Ø6x4mm
- dimensions: 85x160x31 mm (IP-54)

### TECHNICAL DATA HMG1 (DIFFERENCE PRESSURE)

pressure range [mbar]	pressure range [kPa]	max. overpressure [mbar]	linear error max. [± % F.S.] 0..50°C	temp.error typ. [± % full scale]	long term stability [± % full scale/year]	repeat precision [± % full scale]	measuring [per sec]
0 - 2,5	0 - 0,25	250	0,8	2,5	2,5	0,3	2,5
0 - 5	0 - 5	250	0,8	1,2	1,2	0,3	2,5
0 - 10	0 - 1	375	0,8	0,6	0,5	0,2	2,5
0 - 25	0 - 2,5	375	0,7	0,6	0,1	0,1	2,5
0 - 50	0 - 5	750	0,7	0,6	0,1	0,1	2,5
0 - 100	0 - 10	1125	0,5	0,6	0,1	0,1	2,5
0 - 250	0 - 25	triple	0,5	0,6	0,1	0,1	2,5
0 - 500	0 - 50	triple	0,5	0,6	0,1	0,1	2,5
0 - 1000	0 - 100	triple	0,5	0,6	0,1	0,1	2,5

### TECHNICAL DATA HMG1 (ABSOLUTE PRESSURE)

pressure range [mbar]	pressure range [kPa]	max. overpressure [mbar]	linear error max. [± % F.S.] 0..50°C	temp.error typ. [± % full scale]	long term stability [± % full scale/year]	repeat precision [± % full scale]	measuring [per sec]
0 - 1000	0 - 100	triple	0,5	0,6	0,1	0,1	2,5

### TECHNICAL DATA HMG6 (DIFFERENTIAL PRESSURE) WITH ZERO POINT ADJUSTMENT

pressure range [Pa]*	max. overpressure [mbar]	linear error max. [± % F.S.] 0..50°C	temp.error typ. [± % full scale]	long term stability [± % full scale/year]	repeat precision [± % full scale]	measuring [per sec]
0 - 25	250	0,5	2	2	0,3	2,5
0 - 50	250	0,5	2	2	0,3	2,5
0 - 100	250	0,5	2	2	0,3	2,5
0-1000	triple	0,5	22	2	0,1	2,5

\* = other ranges on request

# SENSOR DATA