

Difference Pressure Handheld Device ZHMG-01

Parameter

ZHMG-01

Special

- supply voltage: 9 V (Battery, Type 6F22)
- easy Handling
- LCD-Display (3,5 digits)
- 12,7 mm digit height

Optional

- 0 - 1V analog output

Advantage

The handheld pressure gauges Typ ZHMG01 measures difference- and absolute pressure, relative pressure in air and non aggressive gases. The device has a 3,5-digit LC-display with 12,7 mm figureheight. The signal can drive a 0-1 V analog-output (type ZHMG01-1). The pressure gauges reaches a high reliability and precision. They operates with a 9-V-battery typ 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 LC-display. The pressure-gauge Typ ZHMG6 differs from ZHMG01 by the additional fine adjustment of the zero point on the front. By electronic correction of the linearity error of the cell it reaches a higher precision as ZHMG01.

According rear page different pressure ranges are supported. (0-1000 mbar)

Operating conditions

- storage temperature: -20 to +60°C
- operating temperature: 0 to +50°C
- EMV and ESD acc. to: EN 50082-1 and EN 50082-2



Application

- control of blowers
- supervision of airfilters
- mechanical- and system engineering
- environmental technology
- pressurecontrol and regulation for instance in pressure chambers
- medical engineering

Technical Data

pressure-range (mbar)	pressure-range (kpa)	max. over-pressure (mbar)	max. linear-error max. (+/- % FS)	max. temp.-error (+/- % FS)	long-term-stability (% FS / year)	repeat-precision (% FS)	response-time (ms)
0 - 2,5	0 - 0,25	250	0,8	2,5	2	0.3	1
0 - 5	0 - 0,5	250	0,8	2,5	2	0.3	1
0 - 10	0 - 1	250	0,8	1	0,5	0.2	1
0 - 25	0 - 2,5	375	0,8	1	0,5	0.1	1
0 - 50	0 - 5	750	0,8	1	0,5	0.1	1
0 - 100	0 - 1	1125	0,8	1	0,5	0.1	1
0 - 250	0 - 25	3-fach	0,5	0,7	0.1	0.1	1
0 - 500	0 - 50	3-fach	0,5	0,7	0.1	0.1	1
0 - 1000	0 - 100	3-fach	0,5	0,7	0.1	0.1	1

Order code:

ZHMG 01 Standard xxxx mbar
 ZHMG 01 - 1 with 1V Ausgang xxxx mbar

Operating temperature: -20 bis +70 °C

Hysteresis: 0.1%

Medium: air, and all non aggressive gases

Supply voltage U_{vers} : 9V E-Block 6F22
 Analogausgang: 0-1 V only at type ZHMG 01-1
 R_{L} : $\geq 2 \text{ KOhm}$

connection: Elektrical: socket for 2,5 mm plug with 2-pins (only ZHMG 01-1)
 air: 2 pins for tubes mit 4 mm diameter

weight about 190 g with battery

Protection mode: IP65

dimension: 85 mm x 160 mm x 31 mm

We reserve the right for technical modifications