

WATER-PROOF HANDHELD DEVICE FOR PRESSURE MEASUREMENT WITH EXTERNAL CHANGEABLE PROBES



GMH 5130/50



GMH 5155

suitable pressure probes
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HIGHLIGHTS:

- Peak value detection (1000 measurements / s)
- Large double display with background illumination
- Calibrated and fully interchangeable pressure probes
- incl. calibration protocol

ADDITIONAL FUNCTIONS GMH 5150 AND 5155:



ADDITIONAL FUNCTIONS GMH 5155:

- 2 GMSD/MSD-probes connectable.
- Difference measurement of two probes

WATER-PROOF DEVICE AND
PLUG-IN CONNECTIONS

GMH 5130

Art. no. 600027

Pressure measurement device with 1 sensor connection, without sensor

GMH 5150

Art. no. 600031

Pressure measurement device with 1 sensor connection, analog output and data logger, without sensor

GMH 5155

Art. no. 600033

Pressure measurement device with 2 sensor connections, analog output and data logger, without sensors

General:

This handheld instrument is a valuable tool for demanding pressure measurements. Extremely robust plug connections, the silicone protection cover, backlight and a water-proof design allow its usage in harsh industrial and field environments.

Application:

- Industry and craft, HVAC: heating, ventilation, air-conditioning
- Leakage test / pressure test
- Chimney draft measurement: under pressure, leakage test at buildings (i.e. 4 Pascal test)
- Measurements of gas and oil firings
- Automobile trade, hydraulic analysis (peak pressure)

Specifications:	GMH 5130
Sensor connections:	1
Suitable probes:	GMSD / MSD sensors, available ranges (resolutions) from -1.999 ... 2.500 mbar (0.001 mbar) to 0 ... 1000 bar (1 bar)
Display range max.:	-19999 ... +19999 digit
Display unit: *	depends on measuring range selection and sensor: mbar, bar, Pa, kPa, MPa, mmHg, inHg, PSI, mH ₂ O
Measuring frequency:	4 measurements / s or 1000 measurements / s with peak value memory
Average filter:	adjustable: 1 ... 120 s
Accuracy:	±0.1 % FS ±1 digit
Connections	
Sensor:	1 x 7-pole bayonet connector
Output / external supply:	4-pole bayonet connector for serial interface, supply (with accessories: USB adapter USB 5100)
Display:	4 ½ digit 7-segment, illuminated (white)
Operating conditions:	-25 ... +50 °C, 0 ... 95 % RH (non-condensing)
Storage temperature:	-25 ... +70 °C
Power supply:	2 x AAA-battery, battery life 500 h (without illumination, 4 measurings / s)
Housing:	impact resistant ABS housing with pop-up clip
Protection class:	IP65 / IP67
Dimensions:	160 x 86 x 37 mm (H x W x D) incl. silicone protection cover (red)
Weight:	approx. 250 g incl. battery and protection cover
Scope of supply:	Device, battery, calibration protocol, manual

Specifications:	GMH 5150 and GMH 5155
Sensor connections:	1, GMH 5155: 2
Suitable probes:	GMSD / MSD sensors, available ranges (resolutions) from -1.999 ... 2.500 mbar (0.001 mbar) to 0 ... 1000 bar (1 bar)
Display range max.:	-19999 ... +19999 digit
Display unit:	depends on measuring range selection and sensor: mbar, bar, Pa, kPa, MPa, mmHg, inHg, PSI, mH ₂ O, user
Measuring frequency:	4 measurements / s or 1000 measurements / s with peak value memory
Average filter:	adjustable: 1 ... 120 s
Accuracy:	±0.1 % FS ±1 digit
Connections	
Sensor:	1 x 7-pole bayonet connector GMH 5155 only: 2 x 7-pole bayonet connector
Output / external supply:	4-pole bayonet connector for serial interface, supply (with accessories: USB adapter USB 5100)
Analog output:	0 ... 1 V, freely adjustable, connection with 4-pole bayonet connector, resolution 12 bit
Display:	4 ½ digit 7-segment, illuminated (white)
Operating conditions:	-25 ... +50 °C, 0 ... 95 % RH (non-condensing)
Storage temperature:	-25 ... +70 °C
Power supply:	2 x AAA-battery, battery life 500 h (without illumination, 4 measurings / s)
Housing:	impact resistant ABS housing with pop-up clip
Protection class:	IP65 / IP67
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Additional functions:

Additional Display for Battery: Bar graph display**Background Illumination:** duration adjustable (off, 5 s ... 2 min.)**Adjustment:** offset / slope adjustable in menu**User-defined displayed unit: (user/GMH 5150/55)**

conversion to any unit with help of linear factor

Leakage test function (GMH 5150/55):

leak rate display, leak rate alarm (/s, /min, /h)

Air velocity / flow volume (GMH 5150/55):

Pitot tube measurement (accessories)

peak-detect (Peak value memory):

The min- / max- value memory stored unfiltered pressure peaks ≥ 1 ms

Logger function:

with measuring point input, adjustable cycle time: 1 s ... 1 h,

recording time: 416 days at interval 1 h, data logger: cyclic: 10.000 data sets (GMH 5150), 8.000 data sets (GMH 5155); manual: 1.000 data sets (with measuring point input, 40 adjustable measuring point texts or measuring point numbers)

* = Note to the pressure unit selection:

The choice of a specific pressure unit is possible, if its whole measuring range is displayable within the display of the device and the sensor is supporting these resolution.