

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



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WATER-PROOF DEVICE AND  
PLUG-IN CONNECTIONS

GMH 5130 / 50



GMH 5155

## 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

SUITABLE PRESSURE PROBES  
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## GMH 5130

Art. no. 600027

Waterproof handheld device for pressure measurement with 1 sensor connection, without sensor

## GMH 5150

Art. no. 600031

Waterproof handheld device for pressure measurement with 1 sensor connection, analog output and data logger, without sensor

## GMH 5155

Art. no. 600033

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

Specifications:	GMH 5150 and GMH 5155
<b>Sensor connections:</b>	1, GMH 5155: 2
<b>Suitable probes:</b>	GMSD / MSD sensors, available ranges (resolutions) from -1.999 ... 2.500 mbar (0.001 mbar) to 0 ... 1000 bar (1 bar)
<b>Display range max.:</b>	-19999 ... +19999 digit
<b>Display unit:</b>	depends on measuring range selection and sensor: mbar, bar, Pa, kPa, MPa, mmHg, inHg, PSI, mH <sub>2</sub> O, user
<b>Measuring frequency:</b>	4 measurements / s or 1000 measurements / s with peak value memory
<b>Average filter:</b>	adjustable: 1 ... 120 s
<b>Accuracy:</b>	±0.1 % FS ±1 digit
<b>Connections</b>	
<b>Sensor:</b>	1 x 7-pole bayonet connector GMH 5155 only: 2 x 7-pole bayonet connector
<b>Output / external supply:</b>	4-pole bayonet connector for serial interface, supply (with accessories: USB adapter USB 5100)
<b>Analog output:</b>	0 ... 1 V, freely adjustable, connection with 4-pole bayonet connector, resolution 12 bit
<b>Display:</b>	4 ½ digit 7-segment, illuminated (white)
<b>Operating conditions:</b>	-25 ... +50 °C, 0 ... 95 % RH (non-condensing)
<b>Storage temperature:</b>	-25 ... +70 °C
<b>Power supply:</b>	2 x AAA-battery, battery life 500 h (without illumination, 4 measurings / s)
<b>Housing:</b>	impact resistant ABS housing with pop-up clip
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<b>Dimensions:</b>	160 x 86 x 37 mm (H x W x D) incl. silicone protection cover (red)
<b>Weight:</b>	approx. 250 g incl. battery and protection cover
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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 intervall 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.