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

ISO

STANDARD-FUNCTIONS:

AUTO OFF · TARA · BAT · O/S- CORR · HOLD · MIN MAX

CALIBRATED AND FULLY INTERCHANGEABLE PRESSURE PROBES

WATER-PROOF DEVICE AND PLUG-IN CONNECTIONS

HIGHLIGHTS:

• *Peak value detection (1000 measurements / s)*

• *Large double display with background illumination*

ADDITIONAL FUNCTIONS GMH 5150 AND 5155:

ALARM · LOGG · (clock)

GMH 5130 / 50

GMH 5155

suitable pressure probes
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GMH 5130
Product-ID: 600027
Pressure measurement device with 1 sensor connection, without sensor

GMH 5150
Product-ID: 600031
Pressure measurement device with 1 sensor connection, analog output and data logger, without sensor

GMH 5155
Product-ID: 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_2O
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	1x 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)
Working temperature:	-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, manual

Specifications:	GMH 5150 und GMH 5155
Sensor connections:	1 GMH 5155 only: 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_2O, 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)
Working temperature:	-25 ... +50 °C, 0 ... 95 % RH (non-condensing)
Storage temperature:	-25 ... +70 °C
Power supply:	2 x AAA-battery (included), 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, manual

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
- 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 display-able within the display of the device and the sensor is supporting these resolution.