

WATERPROOF PORTABLE INSTRUMENT FOR MEASURING PRESSURE WITH EXTERNAL INTERCHANGEABLE SENSORS



WATERPROOF – DEVICE AND PLUG CONNECTIONS



GMH 5130/50



GMH 5155

HIGHLIGHTS:

- Peak value acquisition (1000 measurements / s)
- Large double backlit display
- Pressure sensors already calibrated and fully interchangeable
- Incl. test protocol

ADDITIONAL FUNCTIONS OF GMH 5150 AND 5155:



WITH THE GMH 5155 ADDITIONALLY:

- 2 GMSD/MSD sensors can be attached.
- Differential pressure measurement of two sensors

GMH 5130

Item No. 600027

Waterproof Portable instrument for measuring pressure with 1 sensor connection, without sensor

GMH 5150

Item No. 600031

Waterproof Portable instrument for measuring pressure with 1 sensor connection, analog output and data logger, without sensor

GMH 5155

Item No. 600033

Waterproof portable pressure instrument with 2 sensor connections, analog output and data logger, without sensor

GENERAL:

The portable instrument for interchangeable sensors supports you in demanding pressure measuring tasks. Extremely robust plug connections, the silicone protective cover, background lighting and the waterproof construction also allow use in harsh industrial and field conditions.

APPLICATION:

- Industry and trade, HVAC: heating, ventilation, air conditioning
- Leak tests / pressure tests
- Chimney draft measurement: negative pressure, tightness tests on buildings (e.g.: 4 pascal test)
- Measurements on gas and oil firing
- Automotive trade, hydraulic analysis (pressure surges)

TECHNICAL SPECIFICATIONS: GMH 5130

Sensor connections:	1
Usable sensors:	GMSD / MSD sensors, available measuring ranges (resolution) from -1.999..2.500 mbar (0.001 mbar) to 0..1000 bar (1 bar)
max. display range:	-19999 .. + 19999 digit
Display units: *	depending on the measuring range selection (sensor-dependent): 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 connection
Output / ext. Care:	4-pole bayonet connection for serial interface, supply (with accessories: USB adapter USB 5100)
Display:	4½-digit 7-segment, illuminated (white)
Working conditions:	-25 .. + 50 °C, 0.95 % r. F. (not condensing)
Storage temperature:	-25 .. + 70 °C
Power supply:	2 x AAA batteries, battery life 500 h (without lighting, 4 measurements / s)
Housing:	impact-resistant ABS, with stand-up / hanging bracket
Protection class:	IP65 / IP67
Dimensions:	160 x 86 x 37 mm (H x W x D) including silicone protective cover (red)
Weight:	approx. 250 g including battery and protective cover
Scope of delivery:	Device, battery, test report, operating instructions

TECHNICAL SPECIFICATIONS: GMH 5150 AND GMH 5155

Sensor connections:	1, GMH 5155: 2
Usable sensors:	GMSD / MSD sensors, available measuring ranges (resolution) from -1.999..2.500 mbar (0.001 mbar) to 0..1000 bar (1 bar)
max. display range:	-19999 .. + 19999 digit
Display units:	depending on the measuring range selection (sensor-dependent): 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 connection only GMH 5155: 2 x 7-pole bayonet connection
Output / ext. Care:	4-pole bayonet connection for serial interface, supply (with accessories: USB adapter USB 5100)
Analog output:	0..1 V, freely scalable, connection via 4-pole bayonet socket, resolution 12 bit
Display:	4½-digit 7-segment, illuminated (white)
Working conditions:	-25 .. + 50 °C, 0.95 % r. F. (not condensing)
Storage temperature:	-25 .. + 70 °C
Power supply:	2 x AAA batteries, battery life 500 h (without lighting, 4 measurements / s)
Housing:	impact-resistant ABS, with stand-up / hanging bracket
Protection class:	IP65 / IP67
Dimensions:	160 x 86 x 37 mm (H x W x D) including silicone protective cover (red)
Weight:	approx. 250 g including battery and protective cover
Scope of delivery:	Device, battery, test report, operating instructions

ADDITIONAL FUNCTIONS:

- Status display for battery: bar graph
- Background lighting: duration adjustable (off, 5 s..2 min.)
- Adjustment: Zero point / slope adjustable via menu
- User-defined display unit: (user, GMH 5150/55) conversion into any units using a linear factor
- Leak test / tightness test (GMH 5150/55): Display of the rate of pressure change (l / s, / min, / h) with alarm function
- Air velocity / volume flow (GMH 5150/55): measurement with a pitot tube (accessory)
- peak-detect (peak value memory): Unfiltered pressure peaks ≥ 1 ms are recorded in the min / max value memory.
- Data logger: with measuring point input, recording interval: 1 s..1 h Recording duration: 416 days with an interval of 1 h, measured value memory: Cyclical: 10,000 data records (GMH 5150), 8,000 data records (GMH 5155), single: 1,000 data records (40 adjustable measuring point texts or measuring point numbers)

* = Note on setting the pressure units: different pressure units can only be selected if the entire measuring range of this unit can also be shown on the display and the sensor also supports this resolution.

PORTABLE INSTRUMENTS

SOFTWARE

ACCESSORIES

ALARM / PROTECTION, LEVEL