

## Pressure measuring device with logger



STANDARD-FUNCTIONS:



## HIGHLIGHTS:

- 4½-digit display, probes with higher resolution up on request
- peak value memory
- analog output 0-1 V
- 1000 measurements / s
- digital sensor adjustment possible
- integrated horn

## ADDITIONAL FUNCTIONS OF GMH 3156:

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

## LOGGER FUNCTION

Suitable pressure probes  
p.r.t.p. 62/63

## GMH 3151

Product-ID: 600381

Device with 1 sensor connection, analog output and data logger, without sensor

## GMH 3156

Product-ID: 600386

Device with 2 sensor connections, analog output and data logger, without sensor

## GMH 3151 - ex

Product-ID: 600383

Device with 1 sensor connection, analog output and data logger, without sensor

## GMH 3156 - ex

Product-ID: 600394

Device with 2 sensor connections, analog output and data logger, without sensor

Specification:	
max. display range:	-19999 ... +19999 digit
Measuring range:	corresponding to used probe
Overload:	corresponding to used probe
Resolution:	corresponding to used probe
Accuracy: (device)	±0.1 % FS ±1 digit (at nominal temperature = 25 °C)
Pressure units:	mbar, bar, Pa, kPa, MPa, mmHg, PSI, mH <sub>2</sub> O, can be selected.
Probe connection:	1, GMH 3156/-ex: 2 6-pin screened lockable Mini-DIN-socket(s) for GMSD/MSD-sensors. Automatic probe detection and setting of measuring range upon plugging in of probe.
Display:	2 x 4½-digit LCD
Output:	serial interface or AAG *
serial interface:	direct connection to RS232 or USB interface of a PC via electrically isolated interface converter GRS 3100, GRS 3105 or USB 3100 N.
analog output:	0-1 V, freely adjustable (resolution 12 bit)
Power supply:	9 V-battery, d.c. connector * for external 10.5-12 V direct voltage supply. (i. e. GNG10/3000)
Sensor adjustment:	digital offset and scale input
Measuring cycle: „slow“	4 measurements / s
„fast“ (with filter)	≥ 1000 measurements / s
„peak-detect“	≥ 1000 measurements / s

Logger functions:	
- manually data sets:	99 data sets
- cycle data sets:	10000, GMH 3156/-ex: 4000 (max. 64 recording sequences)
- adjustable cycle time:	1 ... 3600 s
Averaging function:	x
Power consumption:	max. 1.6 mA (4 measurements/s) max. 7 mA (1000 measurements/s)
Working conditions:	-25 ... +50 °C, 0 ... +95 % RH (non-condensing), GMH 315x-ex: -10 ... 50 °C, 0 ... 95 % RH (non-condensing)
Housing:	impact-resistant ABS plastic housing. Front side IP65 GMH315x only: pop-up clip for table top or suspended use.
Dimensions:	142 x 71 x 26 mm
Weight:	approx. 150 g, GMH 315x-ex: approx. 190 g (incl. case)
Scope of supply:	Device, battery, manual

\* refer to note to EX-design types at page before

## Additional functions:

**Averaging function:** integrates the meas. values during a selectable period of time and then calculates the average display value.**Sea-Level-correction:** when connecting an abs. pressure probe the barom. air pressure can also be displayed corrected to sea level „zero“. (Air pressure compensation achieved by entering the meters above sea level „zero“)