

PRESSURE MEASURING DEVICE WITH LOGGER



STANDARD-FUNCTIONS:



LOGGER FUNCTION

Suitable pressure probes
p.r.t. p. 63/64

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

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

GMH 3156 - ex

Product-ID: 600394

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

Specifications:

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 ₂ 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

HIGHLIGHTS:

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

ADDITIONAL FUNCTIONS OF GMH 3156:

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

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

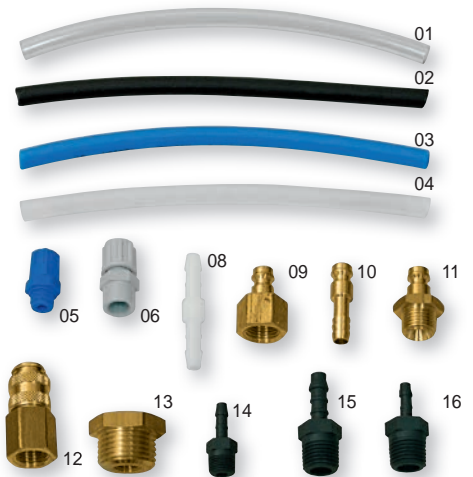
Additional functions:

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“)

Logger Functions:
manual: 99 data sets
cyclic: 10000 data sets (GMH 3151)
4000 data sets (GMH 3156)
(max. 64 recording sequences), adjustable cycle time: 1 ... 3600 s; The logger is started or stopped by keypad or interface. The software GSOF3050 (see accessories) is available for comfortable read-out of logger data.

TUBE, TUBE CLIPS, ADAPTER, COUPLINGS, ETC.



for GMH31xx, GMSD, MSD, GDHs and pressure measuring transducers.

GDZ-01

Product-ID: 601541

PVC-tube 6/4 (6 mm outside-Ø, 4 mm inside-Ø) (5 bar @ 23 °C)

GDZ-02

Product-ID: 601543

PE (polyethylene) 6/4 (6 mm outside-Ø, 4 mm inside-Ø) (10 bar @ 23 °C)

GDZ-03

Product-ID: 601545

PUR (polyurethane) 6/4 (6 mm outside-Ø, 4 mm inside-Ø) (9 bar @ 23 °C)

GDZ-04

Product-ID: 601547

PA (polyamide) 6/4 (6 mm outside-Ø, 4 mm inside-Ø) (25 bar @ 23 °C)

GDZ-05

Product-ID: 601549

Screw-type glanding for 6/4 tube with outside thread G1/8"

GDZ-06

Product-ID: 601551

Increase glanding for 6/4 tube with inside thread G1/8"

GDZ-08

Product-ID: 601555

Double adapter for 6/4 tube to 6/4 tube

GDZ-09

Product-ID: 601557

Coupling adapter (NW5) made of brass with inside thread G1/4" (suitable for GDZ-12)

GDZ-10

Product-ID: 601559

Coupling adapter (NW5) made of brass for tube with 6 mm inside-Ø (suitable for GDZ-12)

GDZ-11

Product-ID: 601561

Coupling adapter (NW5) made of brass with outside thread G1/4" (suitable for GDZ-12)

GDZ-12

Product-ID: 601564

Coupler socket (NW5) made of brass (single-hand use) with inside thread G1/4"

GDZ-13

Product-ID: 601566

Increase/reducer made of brass with G1/2" outside thread and G1/8" inside thread

GDZ-14

Product-ID: 601568

Screw-in nozzle for 6/4 tube with outside thread G1/8"

GDZ-15

Product-ID: 601570

Screw-in nozzle for tube with 6 mm inside-Ø with outside thread G1/4"

GDZ-16

Product-ID: 601572

Screw-in nozzle for 6/4 tube with outside thread G1/4"