Handheld instrument

Display / Controller

Logger / EASYBus

Transmitter

Temperature probe

Alarm / Protection

Water-proof handheld device for pressure measurement with external changeable probes

STANDARD-FUNCTIONS:

(AUTO OFF) (BAT) (HOLD) (MIN MAX) (TARA) (PEAK) (O/S-CORR)

WATER-PROOF
(DEVICE AND PLUG-IN CONNECTIONS)

HIGHLIGHTS:

- *Serial interface*
- *Analog output (GMH 5150 and GMH 5155)*
- *Data logger and alarm function (GMH 5150 and GMH 5155)*
- *Peak value detection (1000 measurements / s)*
- *Robust silicone protection cover*
- *Large double display with background illumination*
- *Incl. calibration protocol*

ADDITIONAL FUNCTIONS GMH 5150 AND 5155:

(ALARM) (LOGG) (Σ) (clock)

suitable pressure probes
p. r. t. page 62 / 63

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

Features:

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)

* = 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.

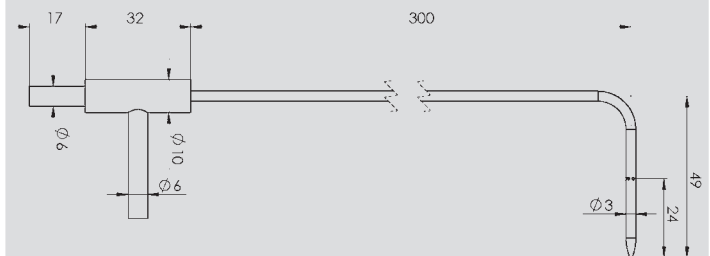| Specification:	GMH 5130
Sensor connections:	1
Suitable probes:	GMSD / MSD sensors, available ranges (resolutions) from -1.999 … 2.500 mbar (0.001 mbar) to 0 … 1000 bar (1 bar)
display range max.:	-19999 ... +19999 digit
Display unit: *	depends on measuring range selection and sensor: mbar, bar, Pa, kPa, MPa, mmHg, inHg, PSI, mH$_2$O
Measuring frequency:	4 measurements / s or 1000 measurements / s
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

further informationen on www.greisinger.de

Device for pressure measurement

Specification:	GMH 5150 and 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$_2$O, user
Measuring frequency:	4 measurements / s or 1000 measurements / s
Average filter:	adjustable: 1 ... 120 s
Accuracy:	± 0.1 % FS ± 1 digit
Connections:	

View GMH 5150

View GMH 5155

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)

Accessories and spare parts:

GMSD ... - K51
pressure sensors (p.r.t. page 62)
Application field: non-aggressive gases
for over / under pressure and difference pressure meas. or absolute pressure meas.

MSD ...
pressure sensors / stainless steel
(p.r.t. page 63)
Application field: air, aggressive gases
for over / under pressure and relative pressure meas. or absolute pressure meas.

MSD-K51
1 m connection cable for MSD sensors

Prandtl-Staurohr
(made of stainless steel) for air velocity / flow volume measurement
Ø = 3 mm, NL = 300 mm, max. 600 °C

GDZ-01
PVC tube 6/4 (6 mm outer Ø, 4 mm inner Ø) (5 bar at 23 °C)

GDZ-30
Adapter G1/2" inner to tube 6/4

EBS 20M
software for long-term monitoring (p.r.t. page 77)

GSOFT 3050
Software for operation of logger devices (p.r.t. page 77)

USB 5100
Electrically isolated interface converter, supplied via USB

GNG 5 / 5000
Plug-in power supply 5 V DC, suitable for GMH 5000 series (see p. 75)

GKK 3500
Device case (394 x 294 x 106 mm) with eggcrate foam and cut-outs
for 1 device (p.r.t. page 72)

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