

ACCESSORIES

Accessories and spare parts:

GMSD ... - K51

pressure sensors (p.r.t. page 88)
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 89)
Application field: air, aggressive gases for over / under pressure and relative pressure meas. or absolute pressure meas.

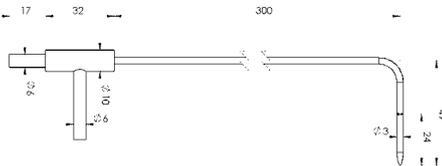


MSD-K51

Art. no. 603809
1 m connection cable for MSD sensors

Prandtl-Staurohr

Art. no. 604150
(made of stainless steel)
for air velocity / flow volume measurement
Ø = 3 mm, NL = 300 mm, max. 600 °C
GMSD 2,5 MR-K51 or GMSD 25 MR-K51 are required



GDZ-01

Art. no. 601541
PVC tube 6/4 (6 mm outer Ø, 4 mm inner Ø)
(5 bar at 23 °C)



GDZ-30

Art. no. 601601
Adapter G1/2" inner to tube 6/4

EBS 20M

Art. no. 601158
Software for long-term monitoring (p.r.t. page 108)

GSOFT 3050

Art. no. 601336
Software for operation of logger devices (p.r.t. page 109)

USB 5100

Art. no. 601095
Electrically isolated interface converter, supplied via USB

NGG 5 / 5000

Art. no. 602287
Plug-in power supply 5 V DC, suitable for GMH 5000 series (p.r.t. page 113)

GKK 3500

Art. no. 601052
Device case (394 x 294 x 106 mm) with eggcrate foam and cut-outs for 1 device



HAND-HELD PRESSURE MEASURING DEVICE



GMH 3111

Art. no. 600374
Hand-held pressure measuring device with 1 sensor connection, without sensor

GMH 3111-EX

Art. no. 600380
Hand-held pressure measuring device with 1 sensor connection, without sensor, Ex

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 sensor socket 6-pin 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: | Interface |
| 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. |
| Power supply: | 9 V battery, d.c. connector for external 10.5 ... 12 V direct voltage supply. (suitable power supply: GNG10/3000) |
| Sensor adjustment: | digital offset and scale input |
| Measuring cycle: | 4 measurements / s |
| Battery life: | approx. 120 h |
| Operating conditions: | -25 ... +50 °C, 0 ... 95 % RH, GMH 3111-EX: -10 ... +50 °C, 0 ... 95 % RH |
| Housing: | impact-resistant ABS plastic housing, foil keypad, clear viewing pane GMH 3111 only: integrated pop-up clip for table top or suspended use. |
| Dimensions: | 142 x 71 x 26 mm (H x W x D) |
| Weight: | approx. 150 g, GMH3111-EX: approx. 190 g (incl. leather case) |
| Scope of supply: | Device, battery, calibration protocol, manual |

HIGHLIGHTS:

- One device for any measuring range (2.500 mbar ... 1000 bar)
- Calibrated and fully interchangeable pressure probes

Suitable pressure probes
p.r.t. page 88 / 89



Note to Ex-design types:

Technical changes compared to standard instrument (valid for all GMH31xx-EX)

Ex qualification: Ex II 2 G Ex ib IIC T4 Gb

Ref. document: EPS 09 ATEX 1 227 X

Standards:

The device meets the standards for electric resources in explosion endangered areas according to EN 60079-0 : 2012, EN 60079-11 : 2012

Sensor:

(GMH 3111-EX, GMH 3151-EX, GMH 3156-EX)
All GMSD sensors with option „Ex type“ can be used.

Interface:

suitable interface adapter are USB 3100 N, GRS 3100 and GRS 3105

Please note: The operation of the interface is not allowed within the Ex area!

Working temperature: -10 ... +50 °C

Power supply: 9 V battery, d.c. connector

Note: the use of d.c. connector is not allowed within the Ex area! Just d.c. connectors of type GNG10/3000 can be used.

Alarm function:

(GMH 3151-EX, GMH 3156-EX, GMH 3181-EX)
The device is without a horn, in the alarm settings are only the parameter „no.so“ and „off“ adjustable.

Scope of supply:

device with associated leather case.



* **Note to the pressure unit selection: (information for all GMH 31xx)**

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.