HANDHELD INSTRUMENT | PRESSURE

ACCESSORIES

Accessories and spare parts:

- **GMSD ... - K51**
  - pressure sensors
  - (p.r.t. page 88)
  - Application field: 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. 601309
  - 1 m connection cable for MSD sensors

- **Prandtl-Staurohr**
  - Art. no. 601150
  - (made of stainless steel)
  - for air velocity / flow volume measurement
  - (max. 600 °C)

- **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

- **NGS 5 / 5000**
  - Art. no. 602287
  - Plug-in power supply 5 V DC, suitable for GMH 5000 series

- **GGX 3500**
  - Art. no. 601052
  - Device case (394 x 294 x 106 mm) with eggcrate foam and cut-outs for 1 device

- **GKK 3500**
  - Art. no. 600380
  - Hand-held pressure measuring device with 1 sensor socket

- **GMH 3111**
  - Art. no. 600734
  - 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:** ±0.1 % FS ±1 digit (at nominal temperature = 25 °C)
- **Pressure units:** mbar, bar, Pa, kPa, mmHg, PSI, mH

**Probe connection:**

- 6-pin lockable Mini-DIN-socket(s)

**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

**Batterry 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

**Dimensions:**

- GMH 3111 only:
  - 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

**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.

- For further information p.r.t. www.gsg-messtechnik.com

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HAND-HELD PRESSURE MESSURING DEVICE

**Note to Ex-design types:**

- Technical changes compared to standard instrument (valid for all GMH 31xx-EX)

- **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

- 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.