

ACCESSORIES

ACCESSORIES OR SPARE PARTS:

GMSD ..- K51

Pressure sensors
Application: non-aggressive gases for over/ under and differential pressure measurement or absolute pressure measurement



MSD ...

Stainless steel pressure sensors
Application: air, aggressive gases for over/ under and relative pressure measurement



MSD-K51

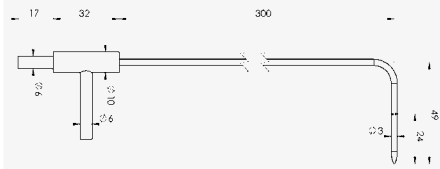
Item No. 603809

Connection cable for MSD sensor to GMH 51xx, 1 m

Prandtl pitot tube

Item No. 604150

stainless steel, for measuring the air speed/volume flow, Ø = 3 mm, NL = 300 mm, max. +600 °C
GMSD 2,5 MR-K51 or GMSD 25 MR-K51 is required



GDZ-01

Item No. 601541

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



GDZ-31

Item No. 606070

Silicone tube 8/5 (8 mm outer Ø, 5 mm inner Ø, 2 bar at 23 °C, max. 200 °C), very flexible

GDZ-30

Item No. 601601

Adapter G ½ inside to tube 6/4

EBS 20M

Item No. 601158

Measurement data acquisition software for EASYBus & GMH

GSOFT 3050

Item No. 601336

Windows software for GMH 3000 and GMH 5000 with logger for operating logger devices

USB 5100

Item No. 601095

Interface converter GMH 5xxx <=> PC

GNG 5/5000

Item No. 602287

Plug in power supply for GMH 5XXX series

GKK 3500

Item No. 601052

Device case with soft cutouts e.g. 2x GMH 3000 or 5000, 395 x 295 x 106 mm (W x H x D)

PORTABLE PRESSURE MEASURING DEVICES



HIGHLIGHTS:

- One device for any pressure measuring range (2.500 mbar..1000 bar)
- Pressure sensors already calibrated and fully interchangeable



GMH 3111

Item No. 600374

Portable pressure instrument with 1 sensor connection, without sensor

GMH 3111-EX

Item No. 600380

Portable pressure instrument with 1 sensor connection, without sensor, Ex

TECHNICAL SPECIFICATIONS:

max. display range:	-19999 .. + 19999 digit
Measuring range:	depending on the sensor used
Overload:	depending on the sensor used
Resolution:	depending on the sensor used
Accuracy: (device)	± 0.1 % FS ± 1 digit (at nominal temperature = 25 °C)
Pressure units: *	mbar, bar, Pa, kPa, MPa, mmHg, PSI, mH ₂ O, switchable by pressing a button.
Sensor connection:	1 sensor socket 6-pole shielded mini-DIN socket with locking for GMSD / MSD sensors. Automatic sensor recognition and corresponding measuring range setting.
Display:	2 x 4 1/2-digit LCD
Output:	interface
serial interface:	Can be connected directly to the RS232 or USB interface of a PC via the galvanically isolated interface converter GRS 3100, GRS 3105, USB 3100 N
Power supply:	9 V battery, power supply socket for external 10.5..12 V DC voltage supply (suitable power supply unit: GNG10 / 3000)
Sensor adjustment:	digital offset and slope input
Measuring cycle:	4 measurements / s
Battery life:	approx. 120 h
Working conditions:	-25 .. + 50 °C, 0.95 % RH, with GMH 3111-EX: -10 .. + 50 °C, 0.95 % RH
Housing:	Made of impact-resistant ABS, membrane keyboard, transparent panel only with GMH 3111: Integrated stand-up / hanging bracket
Dimensions:	142 x 71 x 26 mm (H x W x D)
Weight:	approx. 150 g, with GMH3111-EX: approx. 190 g (including bag)
Scope of delivery:	Device, battery, test report, operating instructions

NOTES ON EX VERSIONS:

Technical changes compared to the standard device (applies to all GMH31xx-EX)

Ex approval: II 2 G Ex ib IIC T4 Gb

Certificate: EPS 09 ATEX 1 227 X

Standards:

The device fulfills the standards for electrical equipment for potentially explosive areas according to EN 60079-0: 2012, EN 60079-11: 2012

Sensor:

(GMH 3111-EX, GMH 3151-EX, GMH 3156-EX) All GMSD / MSD sensors with the "Ex version" option can be used.

Interface:

usable interface converters are USB 3100 N, GRS 3100 and GRS 3105

Note: Operation of the interface and the analog output is not permitted in the Ex area!

Working temperature: -10 .. + 50 °C

Power supply:

9 V battery, mains socket

Note: The use of the power supply socket is not permitted in the Ex area! Only power supply units of the type GNG10 / 3000 may be used!

Alarm function:

(GMH 3151-EX, GMH 3156-EX, GMH 3181-EX)

The device has no sounder, in the alarm setting only the setting "no.sos" and "off" are available

Scope of delivery:

The device is delivered with a leather case.



* Note on setting the pressure units: (applies to all GMH 31xx). The selection of different pressure units is only possible if the entire measuring range of this unit can also be shown on the display and the sensor also supports this resolution.