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
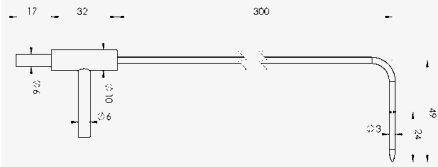relative pressure measurement

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 4½-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: ⟨Ex⟩ 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.so" 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.

PORTABLE INSTRUMENTS

SOFTWARE

ACCESSORIES

ALARM PROTECTION LEVEL