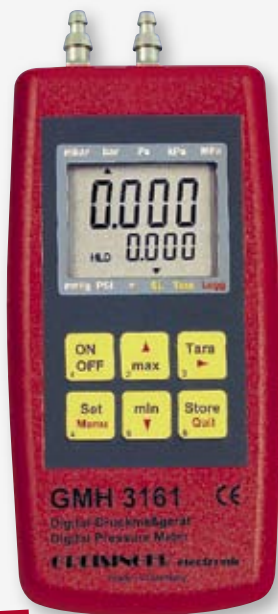


MANOMETER for over/under pressure and pressure difference.



MEASURING RANGE
...-13: -100 ... 2000 MBAR

GMH 3161-13

Device -100 ... 2000 mbar (± 2000 mbar ¹⁾)

GMH 3181-13

Device -100 ... 2000 mbar (± 2000 mbar ¹⁾), with data logger

Option:

MB -1...2 BAR

measuring range: -1000 ... 2000 mbar ²

Specification:

Measuring range: -100 ... 2000 mbar (optional: -1000 ... 2000 mbar)

Overload: max. 4 bar

Resolution: 1 mbar

additional Pressure units: bar, kPa, MPa, PSI, mmHg, mH₂O

Accuracy: (typ. values)

hysteresis and linearity: ± 0.2 % FS

temperature-influence from 0-50 °C: ± 0.4 % FS

Option higher accuracy yes available:

Sensor: integrated piezo-resistive absolute pressure sensor. Suitable for air and non aggressive. (Note: sensor is not suitable for water!)

Pressure connection: 2 metal connection pins, made of brass, nickel plated, pressure tubes 6 x 1 mm (4 mm inside-Ø) can be connected

For type specific data please refer to page 56.

^{*1} measuring range possible by changing the pressure connection ports

^{*2} without changing the pressure connection ports

Options:

Higher sensor accuracy

by multi point calibration
Note: not possible for all device types!

Certificate of calibration WPD5

(f. ISO9000 ff.) incl. several calibration points of sensor (stored in device memory), Certificate of calibration: 5 points increase, 5 points decrease.

Certificate of calibration WPD10

(f. ISO9000 ff.) incl. several calibration points of sensor (stored in device memory), Certificate of calibration: 10 points increase, 10 points decrease.

Special design type:



Ex-protection (Ex II 2 G Ex ib IIC T4) device type with Ex-protection

VAKUUM- or BAROMETER



FOR MEASURING OF ABSOLUTE PRESSURE
MEASURING RANGE: 0 ... 1300 MBAR ABS.

GMH 3161-12

Device 0 ... 1300 mbar abs.

GMH 3181-12

Device 0 ... 1300 mbar abs., with data logger

Specification:

Measuring range: 0 ... 1300 mbar absolute

Overload: max. 4 bar abs.

Resolution: 1 mbar

Pressure units: mbar, bar, kPa, MPa, PSI, mmHg, mH₂O - freely select able

Accuracy: (typ. values)

hysteresis and linearity: ± 0.2 % FS

temperature-influence from 0-50 °C: ± 0.4 % FS

Option higher accuracy yes available:

Sensor: integrated piezo-resistive absolute pressure sensor. Suitable for air and non aggressive gases. (Note: sensor is not suitable for water!)

Pressure connection: 1 metal connection pin, made of brass, nickel plated, pressure tubes 6 x 1 mm (4 mm inside-Ø) can be connected

For type specific data please refer to page 56.

Special function:

SeaLevel-correction:

The barometric air pressure can also be related to sea level „zero“. (Correction of air pressure is achieved by entering m above „zero“)

Accessories and spare parts:

GNG 10/3000

plug-in power supply

GKK 3000

case (275 x 229 x 83 mm) with cut-outs for GMH3xxx

GRS 3100

interface converter, RS232, electrically isolated

USB 3100 N

interface converter, USB, electrically isolated

GDZ-01

PVC-tube (5 bar) 6/4 (6 mm outside-Ø, 4 mm inside-Ø)

GDZ-08

Double adapter for 6/4 tube to 6/4 tube

GDZ-18

tube clamp for 6/4 tube

GDZ-21

T-piece for 6/4 tubes

for miscellaneous accessories p.r.t. pages 54 - 55