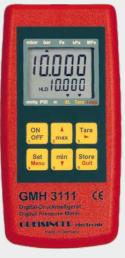
Hand-held pressure measuring device

GMH 3111

- one device for any measuring range (2.5 mbar ... 1000 bar)
- calibrated and fully interchangeable pressure probes
- tara, hold function, min-/max-value memory, ready for bus operation



WK

Probes for following pressure ranges are available:

- relative pressure 2,50 mbar ... 1000 bar rel.
- pressure difference 0,00 bar ... 10,00 bar
- absolute pressure 0,00 bar ... 35,00 bar
- special measuring ranges upon request

GMH 3111 (probes not included)

GMH 3111 - ex ((Ex) device without probe)



Specification: **GMH 3111-ex** -19999 ... +19999 Digit max. display range: -19999 ... +9999 Digit

Measuring range: corresponding to used probe Overload: corresponding to used probe Resolution: corresponding to used probe

Accuracy: (device) ±0,1%FS ±1Digit (at nominal temperature = 25°C) Pressure units: mbar, bar, Pa, kPa, MPa, mmHg, PSI, mH₂O, can be selected.

Probe connection: 1 sensor socket 1 sensor socket

> 6-pin screended lockable Mini-DIN-socket(s) for GMSD/MSDsensors. Automatic probe detection and setting of meas. range upon plugging in of probe.

Display: 2 x 4½-digit LCD 2 x 41/2-digit LCD Output: serial interface serial interface

- serial interface: direct connection to RS232 or USB interface of a PC via interface converter GRS3100, GRS3105 or USB3100 (accessories).

- analog output:

9V-battery, d.c. connector 9V-battery, d.c. connector Power supply: suitable 9V-battery (type IEC 6F22) in scope of supply, d.c. con-

nector for external 10.5-12V direct voltage supply.

(suitable power supply: GNG10/3000) Sensor adjustment:

digital offset and scale digital offset and scale

input input X Χ

Measuring cycle: 4 measurements / s 4 measurements / s

Logger functions: Averaging function: Min-/max-alarm:

Tare, hold, min/max value:

Peak value memory:

Power consumption: approx. 1,6 mA (incl. sensor) max. 1,6 mA (incl. sensor) Working condition: -25 ... 50°C, 0 ... 95%RH -10 ... 50°C, 0 ... 95%RH

Power-Off-function: 1...120 min (can also be deaktivated).

142 x 71 x 26 mm, impact-resistant ABS plastic housing, Housing dimensions:

> Front side IP65 Front side IP65

integrated pop-up clip for table top or suspended use.

Weight: approx. 150 g approx. 190 g (incl. case) pressure probes page 42 | 43

Note to Ex- disign types:

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

Ex qualification: 🕼 II 2 G Ex ib IIC T4

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: 2006, EN 60079-11: 2007

Probe: (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,

GRS3100 and GRS3105

<u>Please note:</u> the operation of the interface is not allowed

within the Ex area!

Working temperature: -10 to +50°C

Power supply: 9V-battery, d.c. connector Please note: the use of d.c. connector is not

allowed within the Ex area! Just d.c. con nectors 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 GMH31xx)

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 support these resolution.