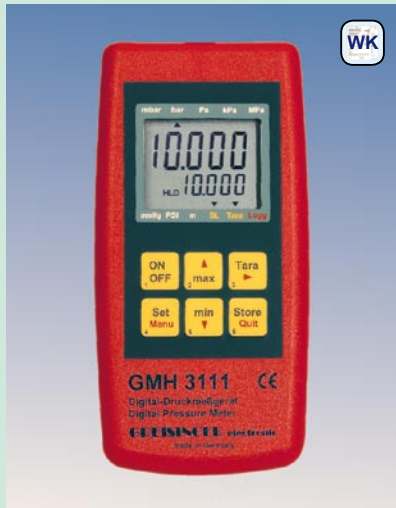


Hand-held pressure meas. device to set standards!

GMH 3111

- ▶ **one** device for any measuring range (2.5 mbar ... 400 bar)
- ▶ **calibrated and fully interchangeable pressure probes**
- ▶ **tara, hold function, min-/max-value memory, ready for bus operation**



Probes for following pressure ranges are available:

- relative pressure mbar: 2.500 / 25.00 / 350.0 / 2000 / 3500
bar: 10.00
- pressure difference mbar: 2.500 / 25.00 / 350.0 / 2000 / 3500
bar: 10.00
- absolute pressure mbar: 1000 / 1300 / 2000 / 3500 / 7000
bar: 7.00 / 35.00 / 70.0 / 160.0 / 250.0 / 400.0
- special measuring ranges upon request

GMH 3111 (probes not included - for probes please refer to page 22/23)

GMH 3110 - ex (EEx ib IIC T4 / probe not included - for probes p.r.t. page 22/23)

Specification:	GMH3110-ex	GMH3111
max. display range:	-1999 ... +9999 Digit	-19999 ... +19999 Digit
Measuring range:	corresponding to used probe	corresponding to used probe
Overload:	corresponding to used probe	corresponding to used probe
Resolution:	corresponding to used probe	corresponding to used probe
Accuracy: (device)	±0,1%FS ±1Digit (at nominal temperature = 25°C)	
Pressure units:	mbar, bar, Pa, kPa, MPa, mmHg, PSI, m, can be selected.	
Probe connection:	1 sensor socket 6-pin screened lockable Mini-DIN-socket(s) for GMSD-sensors. Automatic probe detection and setting of meas. range upon plugging in of probe.	1 sensor socket
Display:	2 x 4-digit LCD	2 x 4½-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:	--	--
Power supply:	9V-battery suitable 9V-battery (type IEC 6F22) in scope of supply, d.c. connector for external 10.5-12V direct voltage supply. (suitable power supply: GNG10/3000)	9V-battery, d.c. connector
Sensor adjustment:	zero point adjustment at keypress	digital offset and scale input
Tare, hold, min/max value:	X	X
Peak value memory:	--	--
Measuring cycle:	4 measurements / s	4 measurements / s
Logger functions:	--	--
Averaging function:	--	--
Min-/max-alarm:	--	--
Power consumption:	approx. 3 mA (incl. sensor)	max. 1.6 mA (incl. sensor)
Working condition:	0 ... 50°C, 0 ... 95%RH	-25 ... 50°C, 0 ... 95%RH
Power-Off-function:	1...120 min (can also be deactivated).	
Housing dimensions:	142 x 71 x 26 mm, impact-resistant ABS plastic housing, Front side IP65, --	integrated pop-up clip for table top or suspended use.
Weight:	approx. 190 g (incl. case)	approx. 150 g

Note to Ex- design types:

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

Ex qualification: Ex II 2 G EEx ib IIC T4



Ref. document: ZELM 03 ATEX 0136 X

Standards: The device meets the standards for electric resources in explosion endangered areas according to EN 50 014:1997+A1+A2, EN 50 020:1994

Probe: (GMH3110-ex, GMH3150-ex)
All GMSD sensors with option 'Ex type' can be used.

Interface: suitable interface adapter are GRS3100 and GRS3105

Please note: the operation of the interface is not allowed within the Ex area!

Working temperature: 0 to +50°C

Power supply: 9V-battery, type IEC 6F22

Please note: the device does not have a dc connector for external power supply!

Alarm functionality: (only GMH3150-ex, GMH3180-...-ex)

Please note: a acoustic alarm is not integrated!

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.