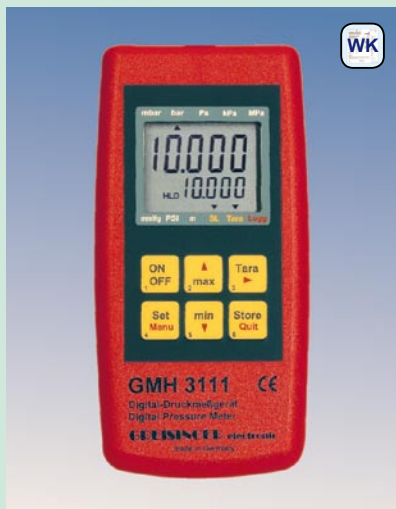


Hand-held pressure meas. device to set standards!

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 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

suitable
pressure probes
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GMH 3111 (probes not included)

GMH 3111 - ex (Ex device without probe)

Specification:	GMH 3111	GMH 3111-ex
max. display range:	-19999 ... +9999 Digit	-19999 ... +19999 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, m, can be selected.	
Probe connection:	1 sensor socket	1 sensor socket
	6-pin screened lockable Mini-DIN-socket(s) for GMSD/MSD-sensors. Automatic probe detection and setting of meas. range upon plugging in of probe.	
Display:	2 x 4½-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, d.c. connector	9V-battery, d.c. connector
	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)	
Sensor adjustment:	digital offset and scale input	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. 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 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.	Front side IP65
Weight:	approx. 150 g	approx. 190 g (incl. case)

Note to Ex- design types:

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

Ex qualification: Ex 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, GRS3100 and GRS3105

Please note: 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. connectors 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.