



## Stainless steel pressure sensors: for use with GMH311x, GMH315x and GDUSB1000

Application: • air, aggressive gases  
• aggressive media, water, etc.

Type	Measuring range	Overload	Resolution	Design type	price
GMSD 350 MRE	0,0 ... 350,0 mbar rel.	max. 1,4 bar rel.	0,1 mbar	design A	
GMSD 1 BAE	0 ... 1000 mbar abs.	max. 4 bar abs.	1 mbar	design A	
GMSD 1 BRE	0 ... 1000 mbar rel.	max. 4 bar rel.	1 mbar	design A	
GMSD 3,5 BAE	0 ... 3500 mbar abs.	max. 14 bar abs.	1 mbar	design A	
GMSD 3,5 BRE	0 ... 3500 mbar rel.	max. 14 bar rel.	1 mbar	design A	
GMSD 7 BAE	0 ... 7000 mbar abs.	max. 28 bar abs.	1 mbar	design A	
GMSD 7 BRE	0 ... 7000 mbar rel.	max. 28 bar rel.	1 mbar	design A	
GMSD 10 BRE	0,00 ... 10,00 bar rel.	max. 40 bar rel.	10 mbar	design A	
GMSD 35 BAE	0,00 ... 35,00 bar abs.	max. 140 bar abs.	10 mbar	design B	
GMSD 35 BRE	0,00 ... 35,00 bar rel.	max. 140 bar rel.	10 mbar	design B	
GMSD 70 BAE	0,0 ... 70,0 bar abs.	max. 280 bar abs.	0,1 bar	design B	
GMSD 160 BAE	0,0 ... 160,0 bar abs.	max. 600 bar abs.	0,1 bar	design B	
GMSD 250 BAE	0,0 ... 250,0 bar abs.	max. 600 bar abs.	0,1 bar	design B	
GMSD 400 BAE	0,0 ... 400,0 bar abs.	max. 600 bar abs.	0,1 bar	design B	

### General specification:

**Sensor:** stainless steel pressure sensor (parts coming into contact with media). Suitable for aggressive media, water, etc.

**Accuracy:** (typ. values) ± 0,2 %FS (hysteresis and linearity)  
± 0,4 %FS (temperature influence from 0-50°C)

**Electronics:** PC board with amplifier and data memory for sensor data (meas. range, calibration, etc.) integrated in sensor housing.

**Device connection:** 1m PVC connection cable, screened with integral 6-pin Mini-DIN-plug, lockable

**Working temperature:** 0 ... +70 °C

**Relative humidity:** 0 ... +95 %RH (non-condensing)

**Storage temperature:** -40 ... +80 °C

**Pressure connection:** connection thread G1/4" \*, ended spanner size: 27 mm (other threads or adapter on request).

**Housing:** made of stainless steel, outer Ø approx. 26 mm, length does not incl. anti-buckling glanding approx. 103 mm (design A) or approx. 110 mm (design B).

**Weight:** approx. 195 g (design A),  
approx. 230 g (design B)

\* = we reserve to change the design (e.g. 1/2" instead 1/4")

### Options, upcharges:

#### Special pressure ranges

#### Probes for Ex-protection

(EEx ib IIC T4 - ZELM 03 ATEX 0136 X)

#### Higher probe accuracy

by multi point calibration (additional individual linearisation points are stored in sensor memory)

#### Certificate of calibration WPD5

(f. ISO9000 ff.) incl. several calibration points stored in probe calibration memory permanently,  
certificate of calibration: 5 point increase, 5 point decrease.

#### Certificate of calibration WPD10

(f. ISO9000 ff.) incl. several calibration points stored in probe calibration memory permanently,  
certificate of calibration: 10 point increase, 10 point decrease.



## TUBE ADAPTER, COUPLINGS, etc.

for GMH31xx, GMSD, GDH and pressure measuring transducers.

**GDZ-05** = Screw-type glanding for 6/4 tube with outside thread G1/8"

**GDZ-06** = Increaser glanding for 6/4 tube with inside thread G1/8"

**GDZ-09** = Coupling adapter (NW5) made of brass with inside thread G1/4" (suitable for GDZ-12)

**GDZ-10** = Coupling adapter (NW5) made of brass for tube with 6mm inside-Ø (suitable for GDZ-12)

**GDZ-11** = Coupling adapter (NW5) made of brass with outside thread G1/4" (suitable for GDZ-12)

**GDZ-12** = Coupler socket (NW5) made of brass (single-and use) with inside thread G1/4"

**GDZ-13** = Increaser/reducer made of brass with G1/2" outside thread and G1/8" inside thread

**GDZ-14** = Screw-in nozzle for 6/4 tube with outside thread G1/8"

**GDZ-15** = Screw-in nozzle for tube with 6 mm inside-Ø with outside thread G1/4"

**GDZ-16** = Screw-in nozzle for 6/4 tube with outside thread G1/4"

**GDZ-17** = Screw-in connection for 6/4 tube with outside thread G1/4"

**GDZ-20** = Screw-on connection made of brass for 6/4 tube with inside thread G1/4"

**GDZ-22** = Coupling adapter (NW5) made of brass with tube connection 6/4 (suitable for GDZ-12)

**GDZ-23** = Adapter G1/2" Innen auf G1/4" Außen, aus Messing

**GDZ-27** = Manometer profile gasket (thickness 3mm, Cu) for thread G1/4"

**GDZ-28** = Flat gasket (thickness 1.5mm, Cu) for thread G1/4"

for additional accessories refer to page 22