



Stainless steel pressure sensors:

for use with GMH31xx, GMH 51xx and GDUSB 1000 (p.r.t. page 57)

Application: • air, aggressive gases
• aggressive liquids / water, etc.

Follow-on type for **GMSD-**
stainless-steel-sensors

Absolute pressure	Measuring range	Overload	Resolution				
MSD 1 BAE	0 ... 1000 mbar abs.	max. 5 bar abs.	1 mbar	MSD 1 BRE	0 ... 1000 mbar rel.	max. 5 bar rel.	1 mbar
MSD 2,5 BAE	0 ... 2500 mbar abs.	max. 10 bar abs.	1 mbar	MSD 2,5 BRE	0 ... 2500 mbar rel.	max. 10 bar rel.	1 mbar
MSD 4 BAE	0 ... 4000 mbar abs.	max. 17 bar abs.	1 mbar	MSD 4 BRE	0 ... 4000 mbar rel.	max. 17 bar rel.	1 mbar
MSD 6 BAE	0 ... 6000 mbar abs.	max. 35 bar abs.	1 mbar	MSD 6 BRE	0 ... 6000 mbar rel.	max. 35 bar rel.	1 mbar
MSD 10 BAE	0 ... 10,00 bar abs.	max. 35 bar abs.	10 mbar	MSD 10 BRE	0,0 ... 10,00 bar rel.	max. 35 bar rel.	10 mbar
MSD 16 BAE	0 ... 16,00 bar abs.	max. 80 bar abs.	10 mbar	MSD 25 BRE	0,0 ... 25,00 bar rel.	max. 50 bar rel.	10 mbar
MSD 25 BAE	0 ... 25,00 bar abs.	max. 50 bar abs.	10 mbar	MSD 40 BRE	0,0 ... 40,00 bar rel.	max. 80 bar rel.	10 mbar
Relative pressure	Measuring range	Overload	Resolution	MSD 60 BRE	0,0 ... 60,00 bar rel.	max. 120 bar rel.	10 mbar
MSD 100 MRE	0,0 ... 100,0 mbar rel.	max. 1 bar rel.	0,1 mbar	MSD 100 BRE	0,0 ... 100,0 bar rel.	max. 200 bar rel.	0,1 bar
MSD 250 MRE	0,0 ... 250,0 mbar rel.	max. 2 bar rel.	0,1 mbar	MSD 160 BRE	0,0 ... 160,0 bar rel.	max. 320 bar rel.	0,1 bar
MSD 400 MRE	0,0 ... 400,0 mbar rel.	max. 2 bar rel.	0,1 mbar	MSD 250 BRE	0,0 ... 250,0 bar rel.	max. 500 bar rel.	0,1 bar
MSD -1/1,5 BRE	-1000 ... +1500 mbar rel.	max. 10 bar rel.	1 mbar	MSD 400 BRE	0,0 ... 400,0 bar rel.	max. 800 bar rel.	0,1 bar
MSD -1/3 BRE	-1000 ... +3000 mbar rel.	max. 17 bar rel.	1 mbar	MSD 600 BRE	0,0 ... 600,0 bar rel.	max. 1200 bar rel.	0,1 bar
				MSD 1000 BRE	0 ... 1000 bar rel.	max. 1500 bar rel.	1 bar

MSD ...

Stainless steel pressure sensors without cable

Connection cable MSD-K31 or MSD-K51 has to be ordered separately (Accessories)

MSD-K31

1 m connection cable for MSD-sensors for use with GMH 31xx / GDUSB 1000

MSD-K51

1 m connection cable for GMH 51xx

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) ± 0,02 % FS / K (TC for zero or slope)
Electronics:	PC board with amplifier and data memory for sensor data (meas. range, calibration, etc.) integrated in sensor housing, sealed sensor electronic
Reaction time:	1 ms
Medium temperature:	-25 ... +100 °C (kompensierter Bereich: 0 ... 70 °C)
Working conditions:	-20 ... +80 °C
Storage temperature:	-40 ... +80 °C
Pressure connection:	connection thread G1/2B (other on request).
Cable connection:	M16 built-in plug
Housing:	CrNi-steel (parts coming into contact with media) length: 88,5 mm, Ø 27 mm, approx. 220 g
Protection class:	IP 67 (sensor)

Options / upcharges

Higher probe accuracy

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

Certificate of calibration WPD5

Accessories

MSD-K31 Connection cable for use with GMH 31xx / GDUSB 1000
1 m PVC connection cable, screened with integral 6-pin Mini-DIN-plug and M16-socket (IP 54)

MSD-K51 Connection cable for use with GMH 51xx
1 m PVC connection cable, screened with 7-pin bayonet plug and plug connection water proof acc. to IP 67 and M16-socket

MSD-K31-xx

Longer connection cable (as MSD-K31); Length 2 ... 10 m please specify

MSD-K51-xx

Longer connection cable (as MSD-K51); Length 2 ... 10 m please specify

Ex-Protection



MSD ... - ex

Stainless steel pressure sensor (without cable) with Ex-protection

MSD-K31 - ex

Connection cable with Ex-protection
Connection to GMH 31xx and GDUSB 1000
1 m PVC connection cable, screened with integral 6-pin Mini-DIN-plug and M12-socket



GMSD 1 BTS

GMSD 1 BTS-K51

well probe / submersible probe: use with GMH311x, GMH315x and GDUSB 1000

Application area: measurings in water, aggressive media, etc.

Measuring range: 0 ... 1000 mbar rel. = 0 ... 10 m depth, Sensor cable: approx. 10 m

For further information please refer to the homepage www.greisinger.de!

TUBE ADAPTER, COUPLINGS, etc.



for additional accessories p.r.t.p. 50

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-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" inside thread to G¹/₄" outside thread, made of brass

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

GDZ-28 = Flat gasket (thickness 5 mm, Cu) for thread G¹/₂"

GDZ-30 = Adapter G¹/₂" inside thread to tube 6/4 (without picture)

GWA 1214 = Adapter G¹/₂" inside thread to G¹/₄" outside thread (without picture)