

STAINLESS STEEL PRESSURE SENSORS G $\frac{1}{2}$ INCH

FOR AIR, AGGRESSIVE GASES
AND LIQUIDS

FOLLOW-ON TYPE FÜR GMSD-
STAINLESS-STEEL-SENSORS

MSD...

exchangeable handheld instruments pressure sensors st. steel G $\frac{1}{2}$ B
Connection cable MSD-K31 or MSD-K51 has to be ordered separately (accessories)

General:

for use with GMH31xx, GMH 51xx and GDUSB 1000

Application:

Air, aggressive gases, aggressive liquids / water, etc.

Abs. pressure	Measuring range	Overload	Resolution
MSD 1 BAE Art. no. 600583	0 ... 1000 mbar abs.	max. 5 bar abs.	1 mbar
MSD 2.5 BAE Art. no. 600585	0 ... 2500 mbar abs.	max. 10 bar abs.	1 mbar
MSD 4 BAE Art. no. 600587	0 ... 4000 mbar abs.	max. 17 bar abs.	1 mbar
MSD 6 BAE Art. no. 600592	0 ... 6000 mbar abs.	max. 35 bar abs.	1 mbar
MSD 10 BAE Art. no. 600594	0 ... 10,00 bar abs.	max. 35 bar abs.	10 mbar
MSD 16 BAE Art. no. 600596	0 ... 16.00 bar abs.	max. 80 bar abs.	10 mbar
MSD 25 BAE Art. no. 600598	0 ... 25.00 bar abs.	max. 50 bar abs.	10 mbar
Rel. pressure	Measuring range	Overload	Resolution
MSD 100 MRE Art. no. 600600	0.0 ... 100.0 mbar rel.	max. 1 bar rel.	0.1 mbar
MSD 250 MRE Art. no. 600604	0.0 ... 250.0 mbar rel.	max. 2 bar rel.	0.1 mbar
MSD 400 MRE Art. no. 600606	0.0 ... 400.0 mbar rel.	max. 2 bar rel.	0.1 mbar
MSD -1/1.5 BRE Art. no. 600608	-1000 ... +1500 mbar rel.	max. 10 bar rel.	1 mbar
MSD -1/3 BRE Art. no. 600610	-1000 ... +3000 mbar rel.	max. 17 bar rel.	1 mbar
MSD 1 BRE Art. no. 600612	0 ... 1000 mbar rel.	max. 5 bar rel.	1 mbar
MSD 2,5 BRE Art. no. 600614	0 ... 2500 mbar rel.	max. 10 bar rel.	1 mbar
MSD 4 BRE Art. no. 600616	0 ... 4000 mbar rel.	max. 17 bar rel.	1 mbar
MSD 6 BRE Art. no. 600618	0 ... 6000 mbar rel.	max. 35 bar rel.	1 mbar
MSD 10 BRE Art. no. 600620	0.00 ... 10.00 bar rel.	max. 35 bar rel.	10 mbar
MSD 25 BRE Art. no. 600622	0.00 ... 25.00 bar rel.	max. 50 bar rel.	10 mbar
MSD 40 BRE Art. no. 600624	0.00 ... 40.00 bar rel.	max. 80 bar rel.	10 mbar
MSD 60 BRE Art. no. 600627	0.00 ... 60.00 bar rel.	max. 120 bar rel.	10 mbar
MSD 100 BRE Art. no. 600629	0.0 ... 100.0 bar rel.	max. 200 bar rel.	0.1 bar
MSD 160 BRE Art. no. 600631	0.0 ... 160.0 bar rel.	max. 320 bar rel.	0.1 bar
MSD 250 BRE Art. no. 600639	0.0 ... 250.0 bar rel.	max. 500 bar rel.	0.1 bar
MSD 400 BRE Art. no. 600633	0.0 ... 400.0 bar rel.	max. 800 bar rel.	0.1 bar
MSD 600 BRE Art. no. 600635	0.0 ... 600.0 bar rel.	max. 1200 bar rel.	0.1 bar
MSD 1000 BRE Art. no. 600637	0 ... 1000 bar rel.	max. 1500 bar rel.	1 bar

MSD 25 MRE**MSD -20/60 MRE**

not suited for aggressive media, water, etc., no Ex design and no option „higher accuracy“ available

Rel. pressure	Measuring range	Overload	Resolution
MSD 25 MRE Art. no. 606904	0.00 ... 25.00 mbar	max. 500 mbar	0.01 mbar
MSD -20/60 MRE Art. no. 606765	-20.00 ... +60.00 mbar	max. 500 mbar	0.01 mbar

Specifications:

Sensor:	stainless steel pressure sensor (parts coming into contact with media). Suitable for aggressive media, water, etc.. (does not apply to MSD 25 MRE and MSD -20/60 MRE)
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, etc.) integrated in sensor housing, sealed sensor electronic
Reaction time:	1 ms
Medium temperature:	-25 ... +100 °C (compensated range: 0 ... 80 °C); -25 ... +80 °C at MSD 25 MRE and MSD -20/60 MRE
Working temperature:	-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 or elgiloy (parts coming into contact with media) length: 88.5 mm, Ø 27 mm, approx. 220 g
Protection rating:	IP 67 (Sensor)
Scope of supply:	pressure sensor, calibration protocol, manual; Note: Connection cable has to be ordered separately.

Options:

Higher probe accuracy
by multi point calibration. Additional individual linearisation points are stored in sensor memory. (not available for MSD 25 MRE and MSD -20 / 60 MRE)

ISO-WPDS

Art. no. 602514

ISO certificates: 5 points ascending, 5 points descending

Accessories:**MSD-K31**

Art. no. 600657

Connecting cable for MSD sensor to GMH 31xx and GDUSB 1000
1.2 m PVC connection cable, screened with integral 6-pin Mini-DIN-plug and M16-socket (IP 54)

MSD-K51

Art. no. 603809

Connecting cable for MSD sensor to GMH 51xx
1 m PVC connection cable, screened with 7-pin bayonet plug cable 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

Art. no. 600871

Connecting cable for MSD-Ex sensor to GMH 31xx-ex
Connection to GMH 31xx, 1 m connection cable, screened with integral 6-pin Mini-DIN-plug and M12-socket