



**FOR AIR, AGGRESSIVE
GASES AND LIQUIDS**

Follow-on type für GMSD-
stainless-steel-sensors

MSD ...

Stainless steel pressure sensors without cable
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 Product-ID: 600583	0 ... 1000 mbar abs.	max. 5 bar abs.	1 mbar
MSD 2,5 BAE Product-ID: 600585	0 ... 2500 mbar abs.	max. 10 bar abs.	1 mbar
MSD 4 BAE Product-ID: 600587	0 ... 4000 mbar abs.	max. 17 bar abs.	1 mbar
MSD 6 BAE Product-ID: 600592	0 ... 6000 mbar abs.	max. 35 bar abs.	1 mbar
MSD 10 BAE Product-ID: 600594	0 ... 10.00 bar abs.	max. 35 bar abs.	10 mbar
MSD 16 BAE Product-ID: 600596	0 ... 16.00 bar abs.	max. 80 bar abs.	10 mbar
MSD 25 BAE Product-ID: 600598	0 ... 25.00 bar abs.	max. 50 bar abs.	10 mbar

Rel. pressure	Measuring range	Overload	Resolution
MSD 100 MRE Product-ID: 600600	0.0 ... 100.0 mbar rel.	max. 1 bar rel.	0.1 mbar
MSD 250 MRE Product-ID: 600604	0.0 ... 250.0 mbar rel.	max. 2 bar rel.	0.1 mbar
MSD 400 MRE Product-ID: 600606	0.0 ... 400.0 mbar rel.	max. 2 bar rel.	0.1 mbar
MSD -1/1.5 BRE Product-ID: 600608	-1000 ... +1500 mbar rel.	max. 10 bar rel.	1 mbar
MSD -1/3 BRE Product-ID: 600610	-1000 ... +3000 mbar rel.	max. 17 bar rel.	1 mbar
MSD 1 BRE Product-ID: 600612	0 ... 1000 mbar rel.	max. 5 bar rel.	1 mbar
MSD 2,5 BRE Product-ID: 600614	0 ... 2500 mbar rel.	max. 10 bar rel.	1 mbar
MSD 4 BRE Product-ID: 600616	0 ... 4000 mbar rel.	max. 17 bar rel.	1 mbar
MSD 6 BRE Product-ID: 600618	0 ... 6000 mbar rel.	max. 35 bar rel.	1 mbar
MSD 10 BRE Product-ID: 600620	0.00 ... 10.00 bar rel.	max. 35 bar rel.	10 mbar
MSD 25 BRE Product-ID: 600622	0.00 ... 25.00 bar rel.	max. 50 bar rel.	10 mbar
MSD 40 BRE Product-ID: 600624	0.00 ... 40.00 bar rel.	max. 80 bar rel.	10 mbar
MSD 60 BRE Product-ID: 600627	0.00 ... 60.00 bar rel.	max. 120 bar rel.	10 mbar
MSD 100 BRE Product-ID: 600629	0.0 ... 100.0 bar rel.	max. 200 bar rel.	0.1 bar
MSD 160 BRE Product-ID: 600631	0.0 ... 160.0 bar rel.	max. 320 bar rel.	0.1 bar
MSD 250 BRE Product-ID: 600639	0.0 ... 250.0 bar rel.	max. 500 bar rel.	0.1 bar
MSD 400 BRE Product-ID: 600633	0.0 ... 400.0 bar rel.	max. 800 bar rel.	0.1 bar
MSD 600 BRE Product-ID: 600635	0.0 ... 600.0 bar rel.	max. 1200 bar rel.	0.1 bar
MSD 1000 BRE Product-ID: 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 Product-ID: 606904	0.00 ... 25.00 mbar	max. 500 mbar	0.01 mbar
MSD -20/60 MRE Product-ID: 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 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 or elgiloy (parts coming into contact with media)
length: 88.5 mm, Ø 27 mm, approx. 220 g

Protection class: IP 67 (sensor)

Scope of supply: pressure sensor, manual;
Note: Connection cable has to be ordered separately.

Optionen:

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
Product-ID: 602514
Certificate of calibration: 5 points ascending, 5 points descending

Accessories:

MSD-K31
Product-ID: 600657
Connection cable for use with GMH 31xx / GDUSB 1000
1.2 m PVC connection cable, screened with integral 6-pin Mini-DIN-plug and M16-socket (IP 54)

MSD-K51
Product-ID: 603809
Connection cable for use with 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
Product-ID: 600871
Connection cable with Ex-protection
Connection to GMH 31xx, 1 m PVC connection cable, screened with integral 6-pin Mini-DIN-plug and M12-socket