

SERIES GMD/GL-DTA
"GREENLINE"**Melt pressure transducer/transmitter
with Thermocouple or RTD Sensor****Equipment /
characteristics**

- Output signal mA, V
- Range 0 to 2000bar
- Accuracy better than 0,50%to the point
- Temperatur compensated
- Mercury free, Silicon Oil free, NaK free
- Calibrationpoint 200°C
- 6-Point characteristic calibrated
- MADE IN GERMANY

**COMBINATION MELT PRESSURE / MELT TEMPERATURE****General information**

Our combined sensor was also enhanced with this innovative filler due to the changeover of the filler medium from mercury to the innovative liquid metal alloy.

This sensor combines melt pressure detection and melt temperature measurement and thus only requires one bore hole for the sensor element. Apart from this feature the sensor is characterised by high precision as well as our high quality standard "Made in Germany" in line with an interesting price-performance-ratio.

The standard version of this sensor has a 1/2"-20 UNF process connection.

This standard sensor can also be installed in the transducer bore hole M18x1.5 (process connection) by means of reducing bushing without difficulty.

Technical data

- Output signal
4-20mA, 0-10VDC (order code)
- Power supply
10 - 32 VDC
- Standard - process connection
1/2"-20UNF / M18x1,5 / M10x1
- Calibration shunt
80%
- Installation lenght
76mm to 457mm (standard)
- Flexible capillarie
stainless steel corrugated hose up to 760 mm
- Maximum temperature membrane
max. +450°C depending on type of filling
- Standard membrane
1.4571 with special coating
- Integrated thermocouple or RTD sensors
(order code)
- Maximum pressure range
50 to 2000 bar

HOUSING

Material - HOUSING

Stainless steel 1.4571

Plug

Standard Amphenol 8pin/7pin

Diaphragm

Stainless steel

Coating

Special coating, anti adhesive

TECHNICAL DETAILS

Pressure measuring areas

17bar to 1000bar

Calibration item

80% of range

Accuracy

Max. 0,50%, linear

Maximum overload

150% of range

Zero point alignment at temperature changes at the diaphragm

Max. 0,02bar of Ew./°C

Zero point alignment at temperature changes at the connection head

Max. 0,003% of Ew./°C

Maximum diaphragm temperature

+300°C / 400°C depending on filler medium

Maximum temperature at the Measuring head

85°C

IN-/OUTPUT SIGNALS

Auxiliary energy

6...10VDC

Output Signal

2,0 / 3,0 / 3,3mV/V

(ordercode)

AMBIENCE CONDITIONS

Operating temperature

+300 °C / +400°C (membrane)

Relative humidity

20...95 %, no ding

Storage temperature

-20...+125 °C

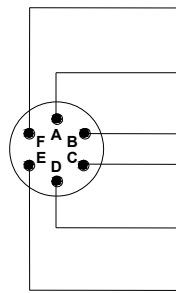
Protection type

IP-65

Dimensions

(See drawings or order code)

ELECTRICAL WIRING



CALIBRATION 80 %

SIGNAL +

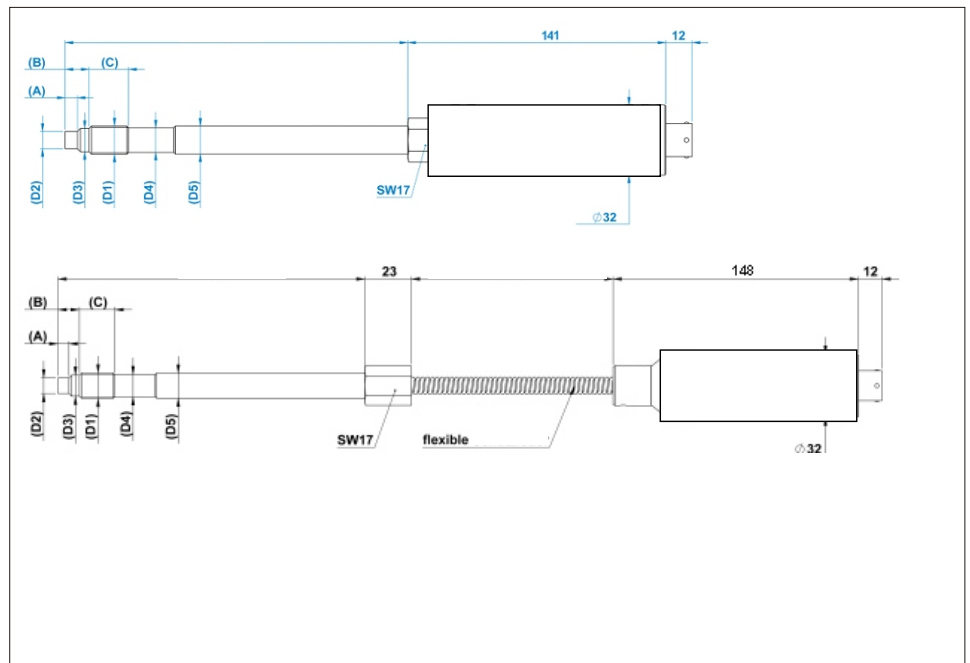
SIGNAL -

SUPPLY +

SUPPLY -

N.N.

DIMENSIONS



MORE TYPES OF SENSOR

- MELT PRESSURE TRANSDUCER mV/V WITH THERMOCOUPLE
Code: DTA
- MELT PRESSURE TRANSMITTER mA / V
Code: DAI
- MELT PRESSURE TRANSMITTER mA / V WITH THERMOCOUPLE
Code: DTAI
- SAFETY MELT PRESSURE TRANSMITTER EN 1114-1, PI" c"
Code: HPL
- MELT PRESSURE TRANSMITTER WITH HART OR ATEX
Code: DAIX

