

Melt pressure transducer „DA“ Output signal mV/V

PRODUCT FEATURES

- ✓ Output signals mV/V, mA, V
- ✓ Pressure ranges up to 2000bar
- ✓ Accuracies 0,15%/0,25%/0,50%
- ✓ Temperature compensated
- ✓ Mercury free
- ✓ Silicone oil free
- ✓ NaK free
- ✓ Sensor completely made of stainless steel
- ✓ Standard membrane highly elastic
- ✓ Standard RT/200°C calibrated
- ✓ 6-times characteristic curve calibration
- ✓ Made in Germany

TECHNICAL DETAILS

Output signal

2,0mV/V
2,5mV/V
3,3mV/V

Supply voltage

6 – 10 VDC

Process connection

1/2"-20UNF
M18x1,5
M10x1

Calibration point

Standard 80% of final value

Shaft lengths / Installation lengths

Min. 38 mm up to max. 457 mm

Flexible capillary extension

Up to max. 2000 mm
Version with stainless steel protection hose

Process temperatures

Diaphragm up to max. +450°C

Electrical connection

Standard 6-pole
Further versions on request

Environmental temperatures

-30°C up to max. +125°C

Maximum pressure overload

2-times of measuring range

Diaphragm design

Stainless steel, high flexible,
Special coating

Protection type

IP65 housing
IP55 plug side

HOUSING

Housing material
Stainless steel 1.4571

Plug version
6-pole Amphenol, bayonet lock
Option 5-pole M12 plug A-coded
Further versions on request

Diaphragm
Stainless steel, high flexible
Special - nonstick coating
Optional Inconel
Optional Hastelloy

IN/OUTPUT SIGNALS

Supply voltage
6...10 VDC

Output signals
2,0 mV/V
3,0 mV/V
3,3 mV/V

ENVIRONMENTAL CONDITION

Operating temperature
Standard up to max. +300°C/+320°C
Optional up to max. +450°C/+500°C

Storage temperature
-20°C up to max. +125°C

Relativ humidity
20 to 95%, no condensation

Protection type
IP-65 (housing)
IP-55 (plug)

TECHNICAL DETAILS

Pressure ranges
0 - 2000 bar

Calibration point
80% vom Messbereich

Accuracy
Standard +/- 0,50% linear
Optional +/- 0,25% linear
Optional +/- 0,15% linear

Maximum overload pressure
2-times of final value

Maximum diaphragm temperature
Up to max. +450°C depending on filling medium

Maximum head temperature
Up to max. +85°C

Filling liquid depending on version
Special filling liquid
Mercury free
Silicone oil free
NaK free

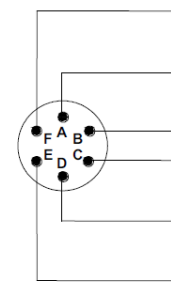
Maximum calibration deviation
Max. 5% of final value
Weitere Ausführungen auf Anfrage

Bridge resistor
350 Ohm

Reproducibility
+/- 0,10% of final value

Insulation resistance
1000 MOhm at 50°C

ELECTRICAL CONNECTION



Calibration 80%
Signal +
Signal -
Supply +
Supply -
Without function

MORE VERSIONS

DTA with mV/V output
Combo sensor with incl. thermocouple
Combo sensor with incl. PT100 sensor

DAI with mA or V output
Melt pressure transmitter mA / V

DTAI with mA or V output
Combo sensor with incl. thermocouple
Combo sensor with incl. PT100 sensor

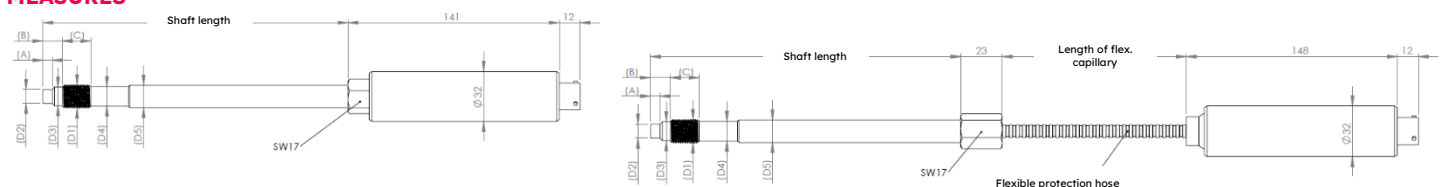
HPL security function EN 1114-1
Security output
Performance Level C, SIL 2

DAIX with ATEX certification
ATEX version
HART protocol

ACCESSORIES

Cable connector
Ready-made connecting cable
Cleaning tool mounting hole

MEASURES



	D1	D2	D3	D4	D5	A	B	C	SW
M18x1,5		10 ^{-0,05}	16 ^{-0,1}	16 ^{-0,5}	16	6 ^{-0,25}	14	20	17
1/2"20UNF 2A		7,8 ^{-0,5}	10,5 ^{-0,05}	10,5 ^{-0,5}	12,5	5,6 ^{-0,1}	10,8	17	17
M10		6,0 ^{-0,05}	8,53 ^{-0,05}	8,5	8,5	6,5 ^{-0,25}	11	16	14