

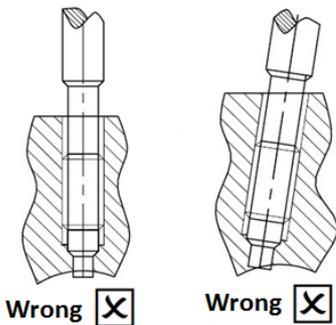


- Strong Body Structure Against High Temperature
- Different Signal Output Options
- ZERO and SPAN Setting
- More durable with INCONEL 718 Alloy Membrane
- High Stability
- Accurate measurement
- Insensitive to Electrical Noise
- J Type Thermocouple (FE-CuNi)
- Long life
- Different Signal Options: 4-20mA, 0-10 VDC, 3.33 mV / V

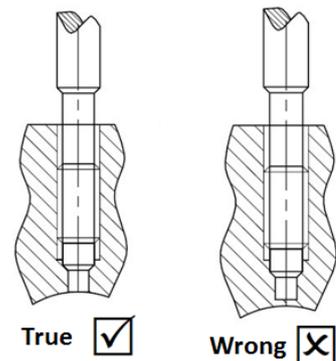
They are used to measure the pressure and temperature of hot fluids in the plastics, rubber, food, etc. sectors. In this way, the quality of the production is higher and damage due to the high pressure is provided to the machine.

The MPT series are low cost and high quality products. The MPT makes mercury measurements in the series. In products in the health and food sector, oily measurements are made.

ALP Series Digital Measuring and Control Devices are also available with the measured value being displayed.



One thing to note during installation is that the extreme part of the sensor, which is the pressure measuring part, is not damaged during installation. If this part is damaged, the sensor will not measure.



Technical Specification

Pressure Range	0-350 BAR or 0-700 BAR standard (Optional 100 - 2000 BAR)
Output Signals	4-20 mA, 0-10 VDC, 3,33 mV/V or Optional 2 mV/V
Power Supply	24 VDC (10 VDC for “3,33 mV” models)
Maximum Temperature	900°F - 400°C
Maximum Pressure	%FS150
Precision	%FS 0,3
Repeatability	%FS 0,2
Calibration	%FS 80
Thermocouple	J Type Thermocouple (Fe-CuNi)
Electrical Connection	6 pin socket (Optional 8 pin)
Connection Type	½ - 20 UNF standard (Optional M14 x 1.5, M18 x 1.5)
Body	Stainless Steel
Membrane Material	Inconel 718 (Chrome-Nickel Alloy)
Protection Class	IP 65
Weight	500 gr
Other	Zero and Span Settings (except “3,33 mV” model)

Order Coder

Model

M

P

T

-

Body Model

1

1

2

-

X

Output Signal

V : 0-10 VDC Analog Output

A : 4-20 mA Analog Output

mV : 3,33 mV/V Analog Output

Included In Delivery

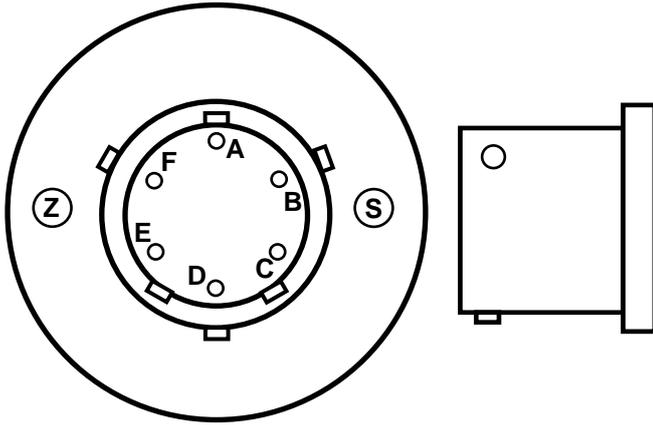
1 Connector / 4 Pin Female Socket

Recommended Accessories

Process Control Indicators “ALP Series”



Connection



3,33mV/V or 2,00mV/V Analog Output

A : + Signal Out B : - Signal Out
 C : + Supply Voltage +10VDC D : - Supply Voltage GND
 E,F : Calibration (FS %80)

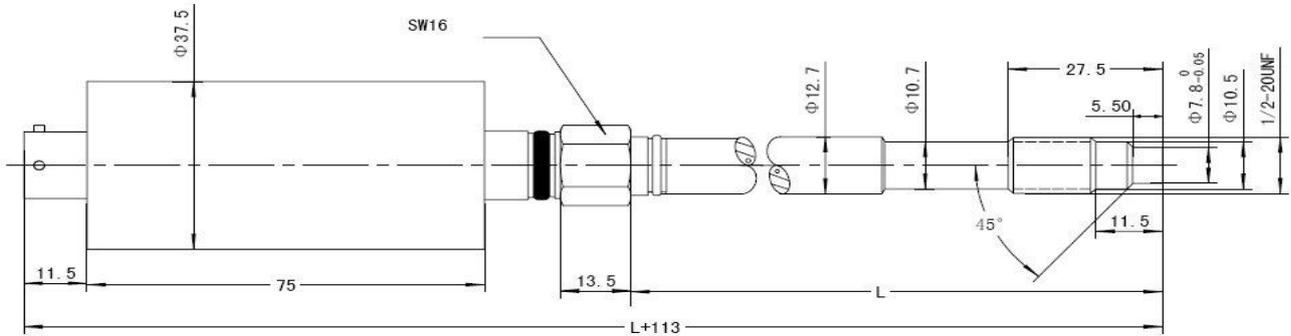
0-10VDC Analog Output

A : + Signal Out (0 – 10VDC) B : - Signal Out
 C : + Supply Voltage +24VDC D : - Supply Voltage GND
 E,F : Calibration (FS %80)
 Z : Zero S : Span

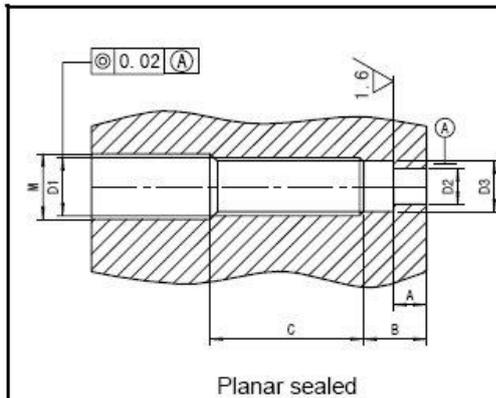
4-20mA Analog Output (2 Wire Connection)

A : + Supply Voltage 24 VDC B : - Signal(4-20mA Output)
 E,F : Calibration (FS %80)
 Z : Zero S : Span

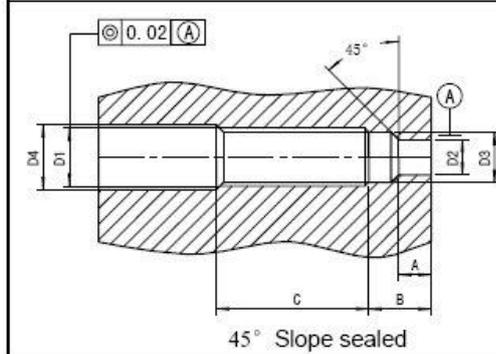
Mechanical Dimension



Mounting



D1	M22×1.5	M28×1.5	G3/4"	PT3/8"
D2	Φ16.1	Φ18.3	Φ18.3	Φ10.3
D3	Φ20.1	Φ26.1	Φ24.2	Φ14.9
M	Φ23	Φ30	Φ21	Φ11
A	11	12	12	14
B	12	15	15	19
C	40	35	35	40
D1	M12×1.5	M14×1.5	1/2-20UNF	M18×1.5
D2	Φ8	Φ8	Φ8	Φ10.1
D3	Φ10.8	Φ12.5	Φ11.5	Φ16.1
D4	Φ12.5	Φ14.5	Φ13.1	Φ20
A	6	6	6	6.5
B	9	9.5	9.5	10



Atek Sensor Technology A.S.

Tuzla Kimya Sanayicileri Org. San. Bolg. Melek Aras Bulvari, No:67 34956 Tuzla-Istanbul / TURKEY

Tel: +90 216 399 44 04

Fax: +90 216 399 44 02

www.ateksensor.com

info@ateksensor.com

