



- 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

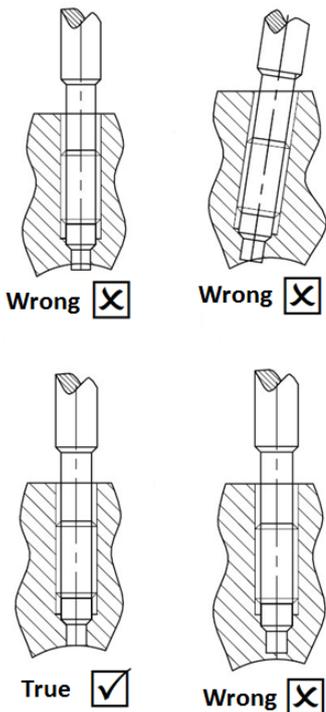
They are used to measure the pressure and temperature of hot fluids in the plastics, rubber, food, etc. sectors. In this way, the quality of the production is higher and damage due to the high pressure is provided to the machine.

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.

Also available are ALP Series Digital Measuring and Control Devices which are used to display the measured value

Technical Specification

Pressure Range	0-350 BAR or 0-700 BAR standard (Optional 10 - 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
Accuracy	%FS 0,3
Repeatability	%FS 0,2
Calibration	%FS 80
Thermocouple	J Tipi Thermocouple (Fe-CuNi) Optional "E, K" type or PT100
Electrical Connection	6 pin socket (Optional 8 pin)
Process Connection	½ - 20 UNF standard (Optional M14 x 1.5, M18 x 1.5)
Body	Stainless Steel
Protection Class	IP 65
Weight	500 Gr
Other	Zero and Span Settings (except for the 3.33 mV/V model)
Accessories	Sockets



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.

Order Coder

Model No

Body Model

133 : With Thermocouple
123 : Without Thermocouple

Thermocouple Type

J : "J" Type

Included In Delivery

1 Connector / 6 Pin Female Socket

Recommended Accessories

Process Control Indicators "ALP Series"



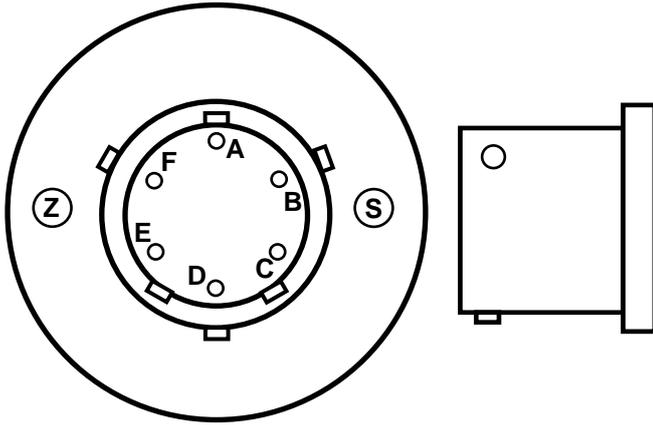
Mechanical Connection

1/2 : ½"20 UNF
M14 : Metric 14 (M14 x 1,5)

Output Signal

V : 0-10VDC
mA : 4-20mA
mV : 3,33mV/V
**optional 2,00mV/V

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

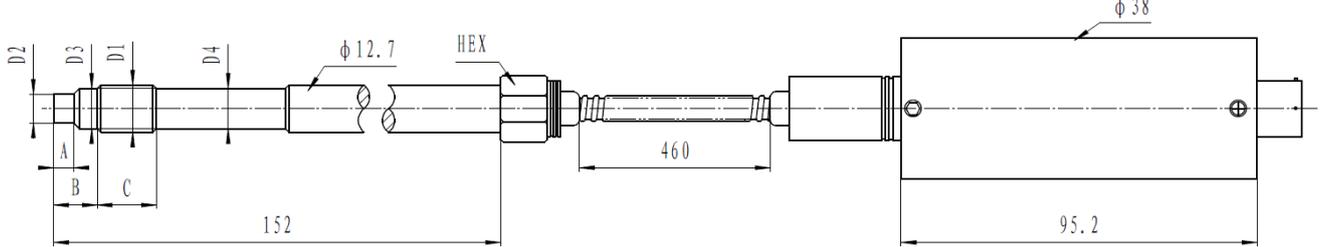
A : + Signal Out (0 – 10VDC) B : - Signal Out
 C : + Supply Voltage +24VDC D : - Supply Voltage GND
 E,F : Calibration (FS %80)
 Z : Zero S : Span

4-20mA Analog Output (2 Wire Connection)

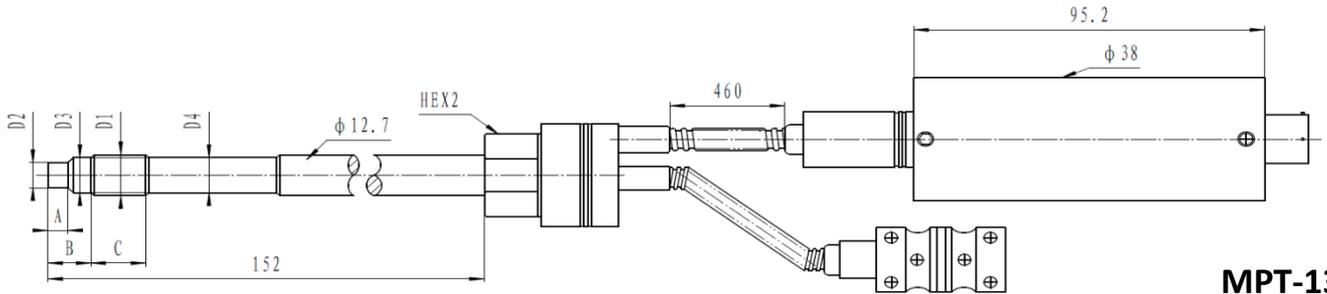
A : + Supply Voltage 24 VDC B : - Signal(4-20mA Output)
 E,F : Calibration (FS %80)
 Z : Zero S : Span

Mechanical Dimensions

MPT-123



MPT-133



Mounting

D1	D2	D3	D4	A	B	C	HEX	HEX2
1/2-20UNF	$\phi 7.8^{+0.02}_{-0.06}$	$\phi 10.5$	$\phi 10.8$	5.44	11.5	16	16	22
M14 × 1.5	$\phi 7.8^{+0.02}_{-0.06}$	$\phi 11.5$	$\phi 11.8$	5.44	11.5	16	16	22

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