

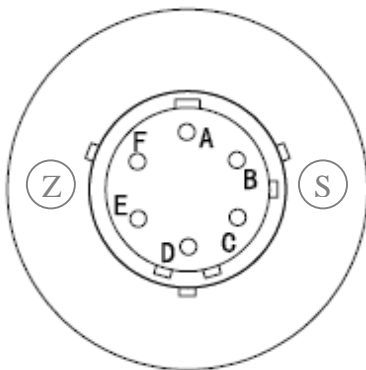


- Good Stability and Anti-Jamming capability
- Economical Price
- Zero and Span Adjustable
- Various Amplified Signals Optional  
**4 - 20 mA , 0 - 10V or 3.33mV/V**
- Flexible Capillary Isolation Configuration
- Internal 80% Shunt Calibration

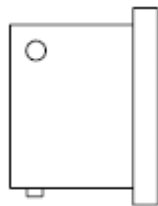
### TECHNICAL SPECIFICATIONS

<b>Pressure Range</b>	: 0...350 BAR or 0..700 BAR standard ( optional 150 – 2000 BAR )
<b>Output Signal</b>	: 0 -10 VDC , 4 -20mA , 3.33mV/V
<b>Input Signal</b>	: 24VDC and 10VDC
<b>Maximum Temperature</b>	: 900°F - 400°C
<b>Maximum Pressure</b>	: %FS 150 ( overload 2 times )
<b>Accuracy</b>	: %FS 0,3
<b>Repeatability</b>	: %FS 0,2
<b>Calibration</b>	: %FS 80
<b>Termokupl</b>	: J Type Thermocouple ( Fe-CuNi )
<b>Elektrical Connection</b>	: 6-pin socket ( optional 8 pin )
<b>Process Connection</b>	: ½" -20 UNF-2A standard, ( optional M14 x 1.5, M18 x 1.5 )
<b>Stem</b>	: Stainless Steel Stem
<b>Protection Class</b>	: IP 65
<b>Weight</b>	: 500gr
<b>Others</b>	: Zero and Span adjustable
<b>Accessory</b>	: Socket

### MPT4B – 42 SERIES ELECTRICAL CONNECTION



6 Pin Connector



#### 4 - 20mA Current Output ( Two Wires Connection )

A	: + Supply Voltage ( 24 VDC )
B	: - Signal ( 4-20mA )

#### 0...10VDC Voltage Output

A	: + Signal Out ( 0 -10VDC )
B	: - Signal Out
C	: + Supply Voltage +24VDC
D	: - Supply Voltage GND

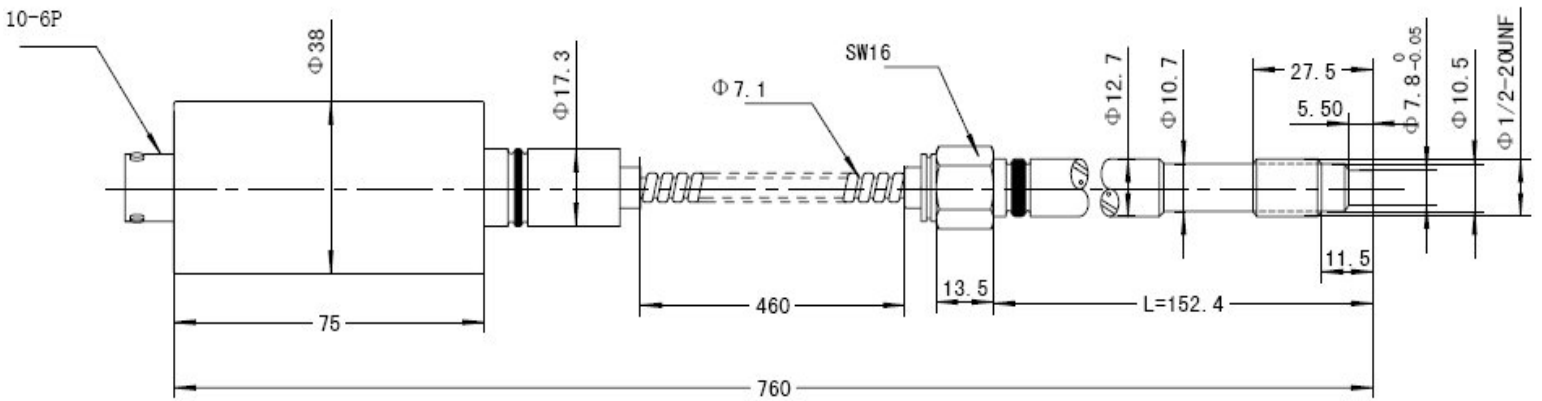
**E,F** : Calibration ( FS %80 )  
**Z** : Zero **S** : Span

#### 3.33mV/V Output

A	: + Signal Out
B	: - Signal Out
C	: + Supply Voltage +10VDC
D	: - Supply Voltage GND

**E,F** : Calibration ( FS %80 )

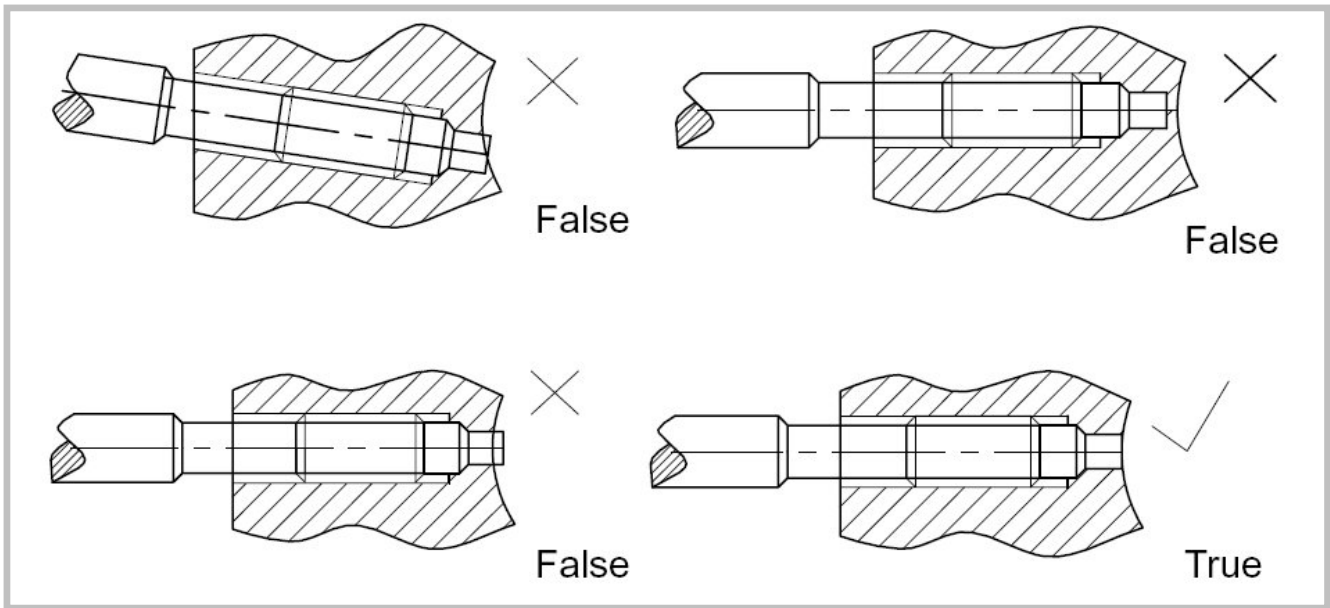
## DIMENSION



## MOUNTING HOLE and MECHANICAL DIMENSIONS

<p style="text-align: center;">Planar sealed</p>	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
<p style="text-align: center;">45° Slope sealed</p>	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

## CORRECT INSTALLATION



### 1. INSTALLATION

Do not remove protective cap until ready to install. Prior to installation, verify correct machining of mounting hole. Install with aluminum gasket. The electronics housing should be secured, with the enclosed mounting bracket.

### 2. REMOVE

Make sure that there is no remained metal or plastic; remove all of the transducers from the equipment before you clean the extruder. You can remove the transducer only when the polymer is molten and clean the diaphragm of the transducer with soft cloth as soon as you remove it.

### 3. START UP

Bring system to operating temperature and with no pressure, follow recommended procedures with instrumentation for zero and span adjustment. Make sure that there is sufficient "soak time" to assure that any material at the tip of the transducers is molten before process is started.

### 4. ELECTRICAL HOUSE

The tip of the transducer can endure high temperature, but the shell ( electrical house ) only endure temperature lower than 80 ° C , so it should place in the room temperature. It can benefit for the accuracy and natural life of the transducer if you keep the shell from the high temperature.

### 5. OVERLOAD EFFECT

During the course pressure measuring and controlling, It is better to make sure the transducer within the rated pressure too long time overload the pressure will the accuracy and natural life of transducer, although the transducer own determinate overload ability.

### 6. WIRING

Use shielded cable attach cable shield to ground at one end only. In order to prevent the jamming.



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