



## PT180 Series Capillary-Exposed Melt Pressure Transmitter



### Features

- multiple signal output options
- accuracy grade:  $\pm 0.5\%$ F.S
- special diaphragm coating
- IP65 ingress protection
- 80% internal calibration
- suitable for narrow space application

### Applications

chemical fiber industry  
injection molding industry

### Description

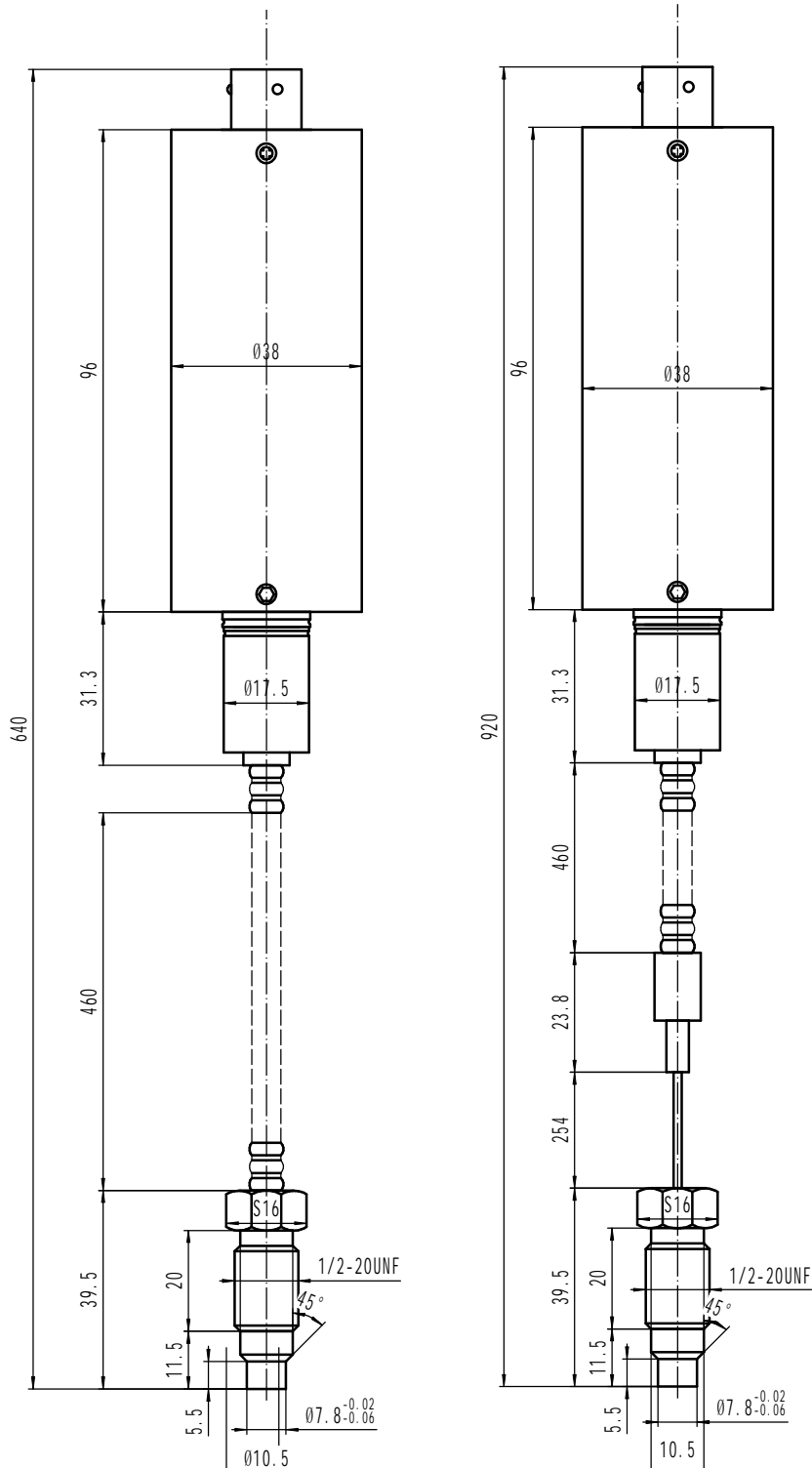
The capillary-exposed melt pressure transmitter is designed for narrow space application, the special diaphragm and highly anti-abrasive coating of which enable it to work normally at high temperature of 400°C. It adopt standard threaded connection with 80% internal calibration and is characterized by high stability and long lifespan.

### Technical Parameters

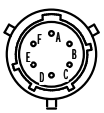
<b>Input Voltage</b>	10VDC (mV/V signal output) 24Vdc(mA, Volt signal output)	<b>Bridge Resistance</b>	350Ω
<b>Output Signal</b>	3.33mV/V, 4~20mA, 0~5V, 0~10V	<b>Diaphragm Material</b>	17-4PH
<b>Accuracy Grade</b>	$\pm 0.5\%$ F.S, $\pm 0.25\%$ F.S available	<b>Diaphragm Temp</b>	400°C
<b>Pressure Range</b>	0~3.5MPa, 0~200MPa	<b>E-Connection</b>	6-pin standard aviation connector
<b>Pressure Unit</b>	psi, bar, MPa	<b>Mounting Torque</b>	40N.m Max
<b>Overload Capacity</b>	1.5 times rated pressure	<b>Process Connection</b>	1/2-20UNF
<b>Zero Temp Drift</b>	0.003MPa/°C	<b>Ingress Protection</b>	IP65
<b>Electrical Environmental Temperature</b>	-20~85°C		

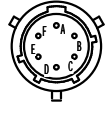


## External Dimension



## E-Connection

6-PIN Connector	Current Output Signal (4-20mA)					
	A	B	C	D	E	F
	E+	E-			CAL	CAL
	Red	Black			Blue	Orange

6-PIN Connector	Voltage Output Signal(0-5V,0-10V,mV)					
	A	B	C	D	E	F
	S+	S-	E+	E-	CAL	CAL
	Red	Black	White	Green	Blue	Orange

Note:S represents signal output;E represents power supply;CAL represents calibration



## Ordering Guide

Series Code	PT180												
Pressure Range	3.5MPa 35bar 500psi												
	5MPa 50bar 750psi												
	7MPa 70bar 1000psi												
	10MPa 100bar 1500psi												
	20MPa 200bar 3000psi												
	35MPa 350bar 5000psi												
	50MPa 500bar 7500psi												
	70MPa 700bar 10000psi												
	100MPa 1000bar 15000ps												
	140MPa 1400bar 20000ps												
200MPa 2000bar 30000ps													
Process Connection	1/2-20UNF												
	M14×1.5												
Exposed Capillary	0 inch (0mm)												
	10 inches (254mm)												
Flexible Length	18inches (460mm)												
	24inches (610mm)												
	30 inches (460mm)												
Signal Output	3.33mV/V												
	4~20mA												
	0~10VDC												
	0~5VDC												
E-Connection	6-Pin standard aviation connector												
	8-Pin standard aviation connector												
Accuracy Grade	0.25%												
	0.50%												
Diaphragm Material	17-4PH(standard)												
	Hastelloy (anti-corrosive type)												
	Inconel718(anti-abrasive)												
	17-4PH thickening diaphragm												