



## Features

- standard signal output: 3.33mV/V, 4-20mA, 0-10V, 0-5V
- accuracy :0.5%F.S ,0.25%F.S available
- Internal 80% shunt calibration
- 0-35bar ,0-2000 bar
- integrated temperature sensor available

## Description

PTE melt pressure transducer is designed for plastic machinery & polymer extrusion molding injection molding industry requiring convenient installation, good repeatability and high reliability. It adopts standard mA or volt signal output which can be connected to most pressure indicator. This series can be equipped with integrated thermocouple of E, J, K type or RTD to provide temperature signal. It adopts 1/2-20 threaded connection. The technique of EMPS is widely recognized by worldwide OEMs and end users.

## Specifications

<b>Input Voltage</b>	10VDC (3.33mV/V) 24VDC (4~20mA, 0~5V, 0~10V)	<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>	±0.5%F.S	<b>Diaphragm Temp</b>	400℃
<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/℃	<b>Protection Level</b>	IP65
<b>Electrical Environmental Temp</b>	-20~85℃	<b>Temp Measuring Components</b>	E, J, K type or Pt100



## Ordering Guide

PTE - XXX - X - XX / XX - XX - X

Pressure Range
5C=500Psi; 35Bar; 35Kg/cm <sup>2</sup> ; 3.5MPa
1.5M=1,500Psi; 100Bar; 100Kg/cm <sup>2</sup> ; 10MPa
3M=3,000Psi; 200Bar; 200Kg/cm <sup>2</sup> ; 20MPa
5M=5,000Psi; 350Bar; 350Kg/cm <sup>2</sup> ; 35MPa
7.5M=7,500Psi; 500Bar; 500Kg/cm <sup>2</sup> ; 50MPa
10M=10,000Psi; 700Bar; 700Kg/cm <sup>2</sup> ; 70MPa
15M=1,5000Psi; 1000Bar; 1000Kg/cm <sup>2</sup> ; 100MPa
20M=20,000Psi; 1400Bar; 1400Kg/cm <sup>2</sup> ; 140MPa
30M=30,000Psi; 2000Bar; 2000Kg/cm <sup>2</sup> ; 200MPa

Thread
1/2=1/2-20UNF
M18=M18*1.5

Signal Output
MV=3.33mV/V
5V=0-5V
10V=0-10V
MA=4-20mA

Thermocouple
NT= No TC
E=E type
J=J type
K=K type
RTD1=PT100

Capillary Length
NT=No Flex
18=18inches(457mm)
30=30inches(762mm)

Snout Length
6=6inches(152mm)
9=9inches(229mm)
12=12.5inches(318 mm)
15=15 inches(381mm)
18 =18 inches(460mm)

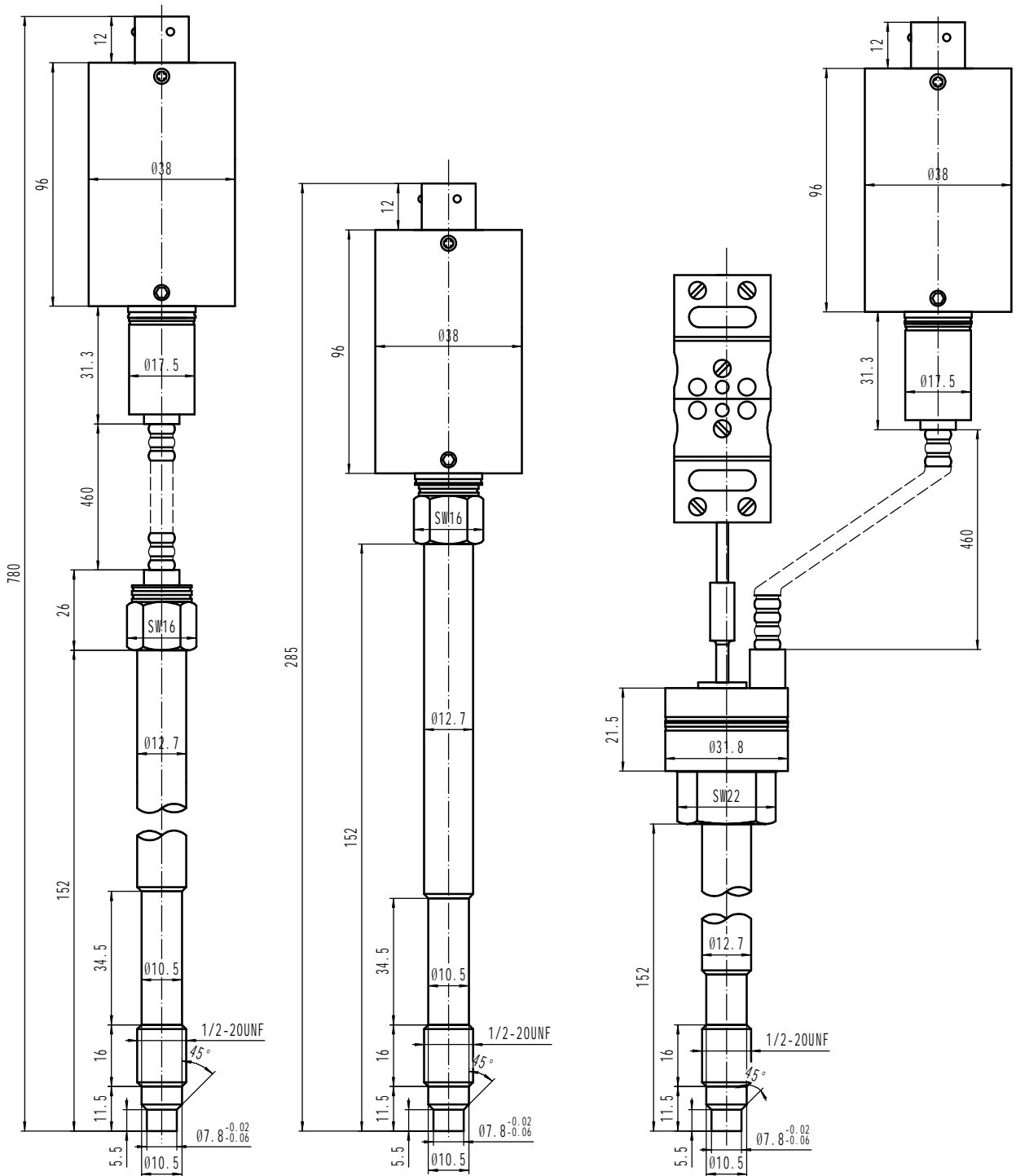
Accessory	Code
Cleaning Tool Kit	CT series
Mounting Bracket	SF series
Cable	GL series
Connector	CON series

For configurations not listed please consult zias.



# EMPS

## 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)					
	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

Zias (Shanghai) IOT Technology Co.,Ltd

400 821 0137 [www.ziasiot.com](http://www.ziasiot.com) [info@ziasiot.com](mailto:info@ziasiot.com)

