

Economic melt pressure transmitter PT124B-111/111T, PT124B-121/121T

Description

PT124B-111/111T, PT124B-121/121T Series Economic melt Pressure Transducer designed for economic applications. The model PT124B-111T and PT124B-121T is with thermocouple, which can measure the pressure and temperature at one point. This series can be used together with the PY Series Intelligent Digital Pressure Instrument of ZHYQ or other brand instrumentation. Zero & full span can be adjustable, with amplify signal can be connected with PLC. With the advantage of high precision and reliable pressure measuring and good quality, internal 80% calibration and etc.



PT124B-111



PT124B-111T



PT124B-121



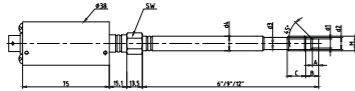
PT124B-121T

Application

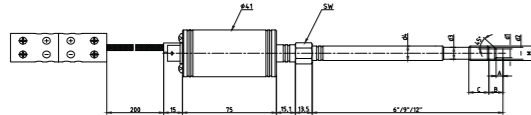
It can be widely used in various plastic extrusion line for pressure measuring and control, such as chemical fibre manufacturing equipment, plastic rubber machine, polyester equipment and petrochemical.

Dimensions

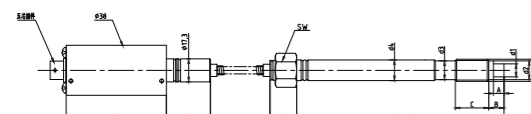
PT124B-111



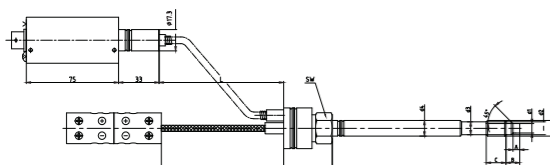
PT124B-111T



PT124B-121



PT124B-121T



M	d1	d2	d3	d4	A	B	C	SW	6"	9"	12"
1/2-20UNF	φ7.8	φ10.5	φ10.5	φ12.7			16	16	152	230	305
M14×1.5	φ7.8	φ11.8	φ11.8	φ13.5	5.4	11.2					
M18×1.5	φ9.8	φ15	φ15	φ15.5			20	22			

Ordering Guide

Model	Range(bar)	Output	Screw Thread	Electric connection	Other requirement
PT124B-111/111T PT124B-121/121T	---	---	---	---	---

Example: PT124B-111-500Bar-4/20mA-1/2-20UNF-5PIN

Specifications

- Pressure range : 0-3.5MPa...0-150MPa (0-500psi...0-3000psi)
- Over Pressure: 1.5 X FSO
- Combined Error: ± 1.0% FSO, ± 1.5% FSO (Including Linearity, Repeatability & Hysteresis)
- Output: 3.33 mV/V, 2mV/V; 4-20mA, 0-10V, 0-5V
- Input Voltage: 10VDC; 24VDC
- Repeatability: +/- 0.2%FSO
- Bridge Resistance: Input: 345 Ohms minimum
Output: 350 Ohms +/- 10%
- Internal Shunt Calibration (R-Cal): 80% FSO +/- 1%
- Insulation Resistance: 200 megohms @ 100 Vdc
- Max Diaphragm Temperature: 400°C
- Mounting Torque: 500 inch/lbs. maximum
- Standard Wetted Parts: Diaphragm coated 15-5 PH SST
- Thermocouple type: J, K, E, PT100 (PT124B-111T, PT124B-121T)
- Electrical connector: 5PIN connector
- Process connector: M14 x 1.5, M18 x 1.5 Optional

High precision melt pressure transmitter PT124B-112/112T, PT124B-123/123T

Description

PT124B-112/112T, PT124B-123/123T Series high precision melt Pressure Transducer, the model PT124B-112T & PT124B-123T with thermocouple, which can measure the pressure and temperature in one point. This series adopts special construction and excellent alloy elastic membrane to reduce the thermal draft and improve the accuracy. Zero & full span can be adjustable, amplified signal can be connected with PLC, which is the international standard. This series can replacement the similar models of Dynisco, Gefran, GP:50, and also can match their instruments.



PT124B-112



PT124B-112T



PT124B-123



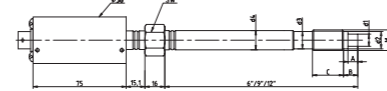
PT124B-123T

Application

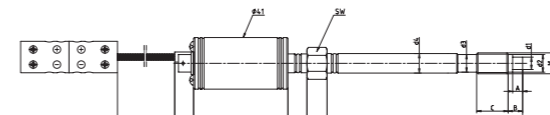
It can be widely used in various plastic extrusion line for pressure measuring and control, such as chemical fibre manufacturing equipment, plastic rubber machine, polyester equipment and petrochemical.

Dimensions

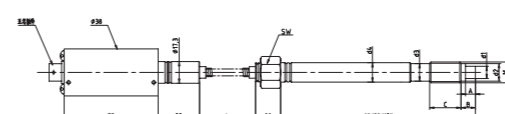
PT124B-112



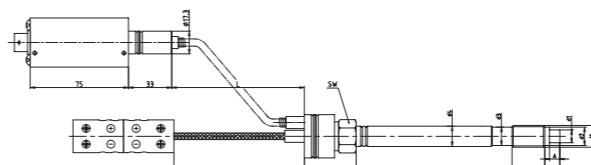
PT124B-112T



PT124B-123



PT124B-123T



M	d1	d2	d3	d4	A	B	C	SW	6"	9"	12"	L
M18×1.5	φ9.8	φ15	φ15.5	φ15.5	10	15	40					140, 160, 180
M22×1.5	φ15.5	φ19.5	φ19.5	φ19.5	10	15.5	25	22	152	230	305	
G3/8	φ9.8	φ14	φ14	φ15.5	7.9	11.5	25					

Ordering Guide

Model	Range(bar)	Output	Screw Thread	Electric connection	Other requirement
PT124B-112/112T PT124B-123/123T	---	---	---	---	---

Example: PT124B-123-500Bar-4/20mA-1/2-20UNF-6PIN

Specifications

- Pressure range: 0-3.5MPa...0-150MPa (0-500psi...0-3000psi)
- Over Pressure: 1.5 X FSO
- Combined Error: ± 0.25% FSO, ± 0.5% FSO (Including Linearity, Repeatability & Hysteresis)
- Output: 3.33 mV/V, 2mV/V; 4-20mA, 0-10V, 0-5V
- Input Voltage: 10VDC; 24VDC
- Repeatability: +/- 0.2%FSO
- Bridge Resistance: Input: 345 Ohms minimum
Output: 350 Ohms +/- 10%
- Internal Shunt Calibration (R-Cal): 80% FSO +/- 1%
- Insulation Resistance: 200 megohms @ 100 Vdc
- Max Diaphragm Temperature: 400°C
- Mounting Torque: 500 inch/lbs. maximum
- Standard Wetted Parts: Diaphragm coated 15-5 PH SST
- Thermocouple type: J, K, E, PT100 (PT124B-112T, PT124B-123T)
- Electrical connector: 6PIN connector
- Process connector: 1/2" -20UNF, M14 x 1.5, M18 x 1.5 Optional