



PT111B/PT124B/PT131B Series Melt Pressure Transmitter

For plastic machine only



Features

Adjustable zero and span
Accuracy better than $\pm 1.0\%$
Stainless steel sealed
80% shunt calibration
Good stability and repeatability
5PIN connector

ISO9001:2008



Description and Application

This Series transmitter is a $\pm 1.0\%$ sensor ideal for general melt pressure measurements requiring simple installation, repeatability and reliability. The transmitters provide the industry standard 4 - 20 mA amplified signal designed to work with DCS and PLCs. It comes equipped with adjustable zero and span pots, 5PIN electronic connection. Optional thermocouple or RTD configurations are available to provide melt temperature. It adopts 1/2-20 UNF thread for simple and easy installation in standard transducer mounting holes.

PERFORMANCE CHARACTERISTICS

Output: 4 - 20 mA, 0-5V, 0-10V

Power Supply: 10-30Vdc 12-30Vdc (0-10V)

Accuracy: $\pm 1.0\%$ FSO.

Configuration: Four-arm bonded foil Wheatstone bridge strain gage

Load Resistance: (U-10) / 0.02 (4-20mA)
R > 20k (0-5V, 0-10V)

Overload Pressure: 1.5 X FSO

Internal Shunt Calibration (R-Cal): 80% FSO

TEMPERATURE & MECHANICAL CHARACTERISTICS

Max Diaphragm Temperature: PT111B 250°C

PT124B PT131B 350°C

Mounting Torque: 500 inch/lbs. maximum

Standard Wetted Parts: 17-4 PHSST

Temperature Type: E, K, J, PT100 available

Process connection: 1/2-20UNF etc.

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Add: No.125, Tianwei Rd., Minhang Dist, Shanghai 201108 CN

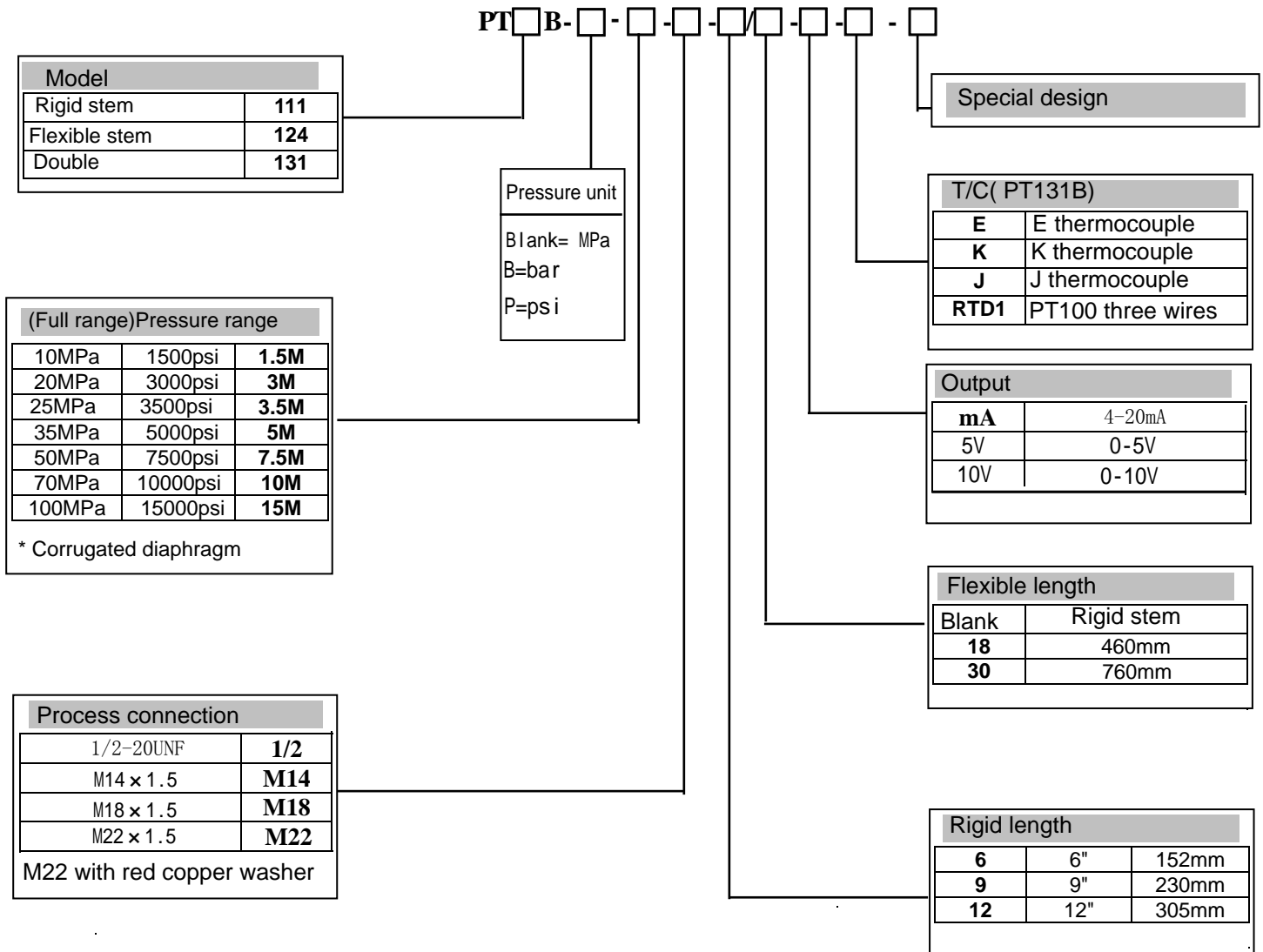
Tele: 0086-21-55338008

Fax: 0086-21-34074025

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Ordering guide:



Accessories:

1. Pressure cable: 5PIN
2. Temperature cable: E,J,K,PT100
3. Mounting bracket
4. 5PIN Connector(without cable)

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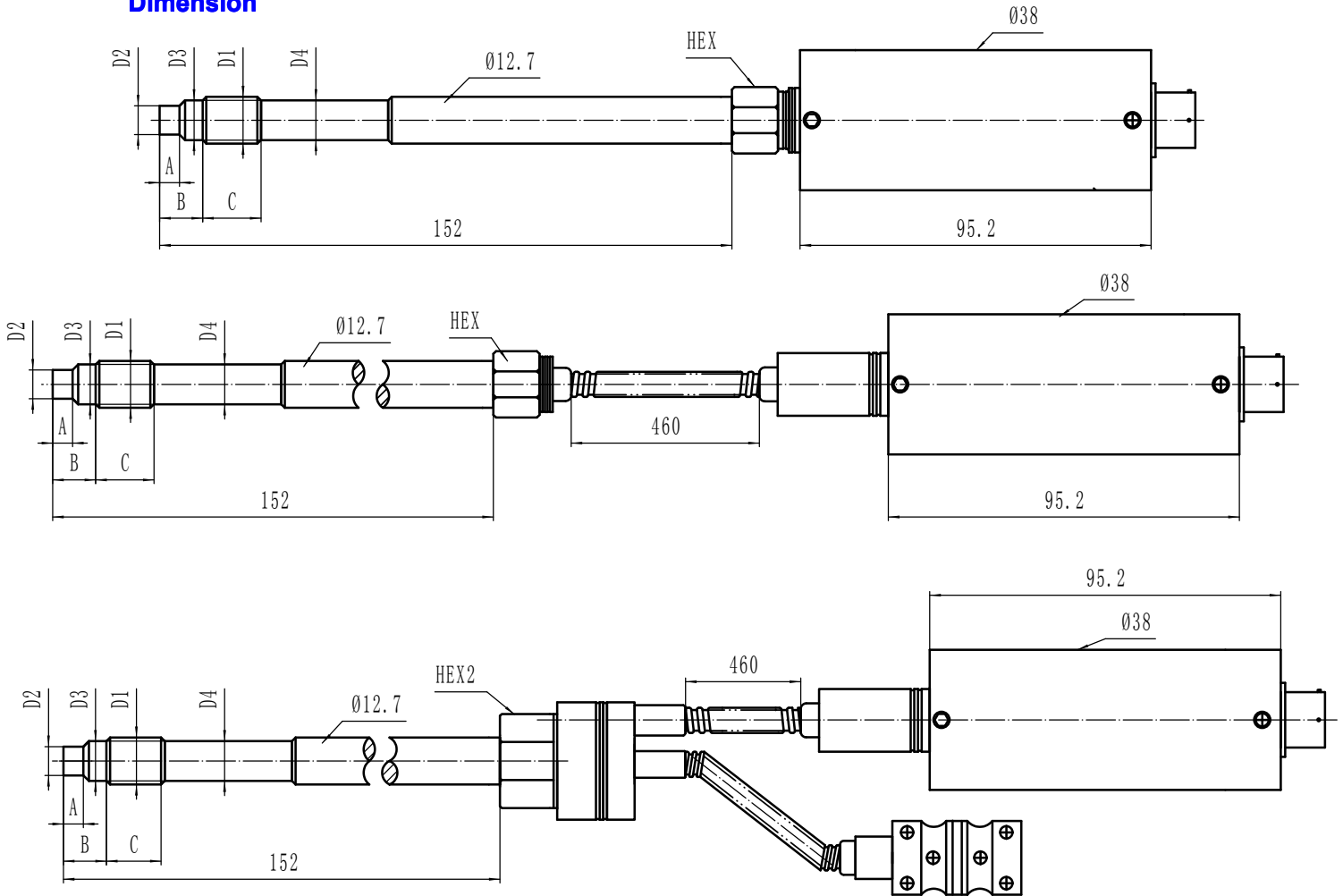
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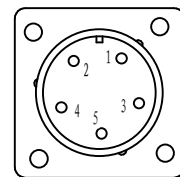
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Dimension



	1	2	3	4	5
4-20mA	Power supply+	Power supply-		Calibration	Calibration
0-10V	Output signal+	Power supply+	Output signal-	Power supply-	Calibration
0-5V	Output signal+	Power supply+	Output signal-	Power supply-	Calibration



D1	D2	D3	D4	A	B	C	HEX	HEX2
1/2-20UNF	$07.8^{+0.02}_{-0.06}$	010.5	010.8	5.44	11.5	16	16	22
M14×1.5	$07.8^{+0.02}_{-0.06}$	011.5	011.8	5.44	11.5	16	16	22

All dimensions are in mm.

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