

PT111 & PT124 & PT131 Series Economical Melt Pressure Transducer



Features

- * Compact design; Economic type
- * Stainless steel
- * 80% Internal calibration
- * Good stability and repeatability

Description

PT111/PT124/PT131 series melt pressure transducer is of easy installation and good product performance. The characteristic of high temperature resistance enable it to be used in almost any special industries. PT111/PT124/PT131 Series is ideal for melt pressure measurement and control in the industries like plastic&rubber, chemical fiber.

Technical Parameters

Characteristic

Power Supply	mV/V: 10 V DC(recommended), mA or V : 24V DC
Signal Output	3.33mV/V, 0-5V, 0-10V or 4-20mA
Accuracy	±0.25% FS, ±0.5% FS, ±1% FS
Repeatability	±0.2% FS
Working	mV/V, mA: 185° F (85°c)
Overload Ability	2x FS
Pressure Range	0-35 Bar---2000Bar
Pressure Unit	psi, Bar, kPa or MPa
Zero	mV/V: No, mA: ± 20%
Zero Balance Design (±% FS)	mV/V: ± 10%; mA: ± 0.5%
Zero Drift (caused by)	1.5bar/100° F(3bar/100°)
Bridge Resistance	mV/V: 345 Ω, at least
Overload	mA: 1100 Ω, at most
Insulation Resistance	mV/V: 1000MΩ @50 Vdc mA: 100M Ω @50 Vdc
Shunt	80% FS ± 1% FS

Mechanical and Sealing Characteristics

Transducer Technology	Bonded Wheatstone and Wheatstone bridge
Diaphragm Temperature	750° F(400°C), at most
Diaphragm Materials	5 Different Diaphragm Options
Progress Connection	1/2 – 20 UNF and M14 × 1.5, M16 × 1.5, M18 × 1.5 Thread
E – connection	5 PIN
Install Torque	500 in/lbs , at most
Temperature Transducer (optional)	E/J/K/PT100 Type Thermocouple Matches With
Certification	Patented
Certification	CE Certified

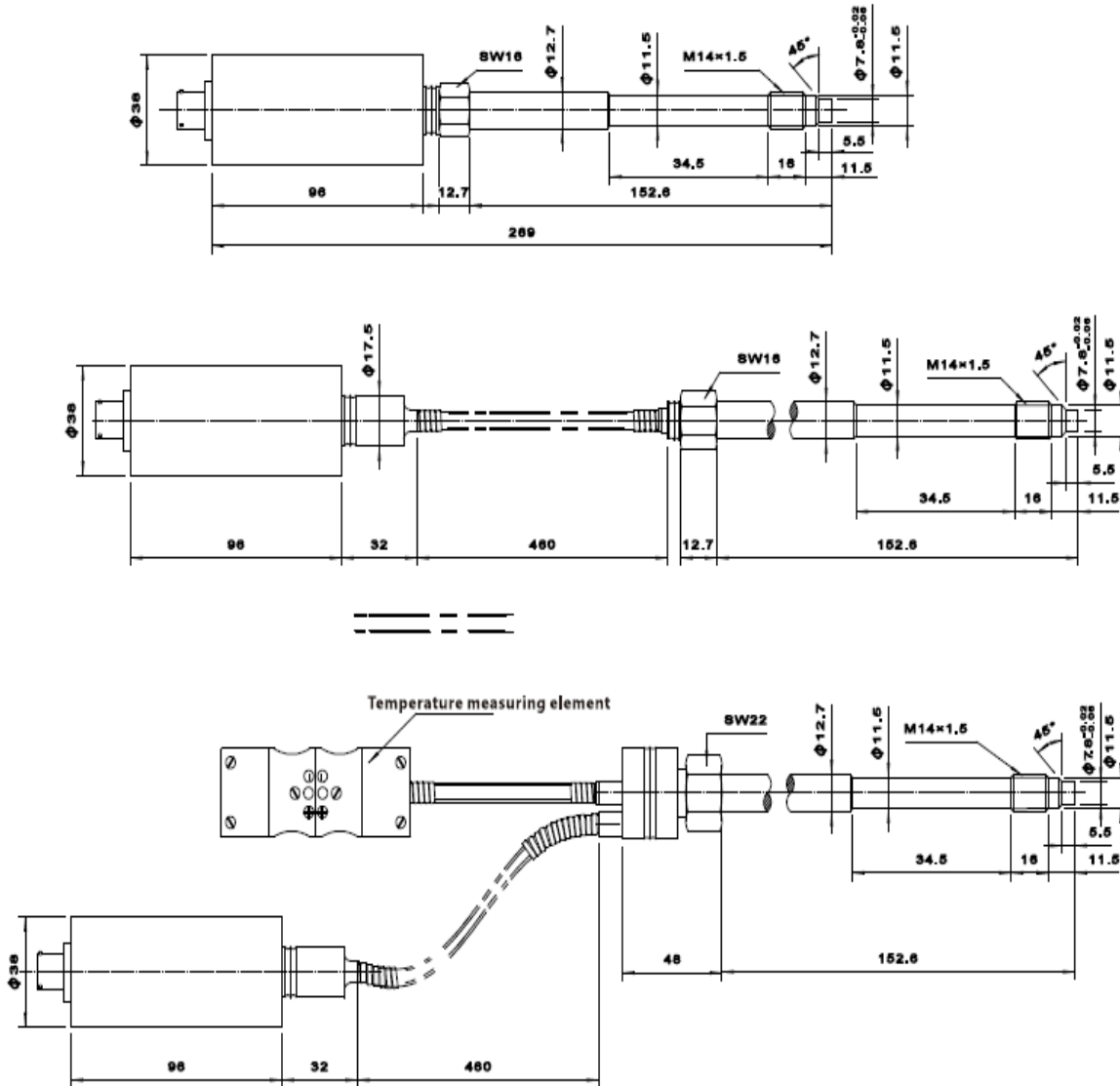
Recommend Fitting

Install Tools	Component GJ
6 Pin E – connection	Component CON06

Matching Connection

Fix Frame (electric device)	Spares No.:ZJ, cable Fitting, indicator
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External Dimension



E - Connection

5-PIN	Signal Output				
	1	2	3	4	5
	S+	E+	S-	E-	CAL
	Blue	Red	White	Yellow	Black

5-PIN	Signal Output				
	1	2	3	4	5
	E-	E+		CAL	CAL
	Blue	Red		Yellow	Black

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

Ordering Code

Series Code												
Product Type	Rigid Stem Type		111									
	Rigid Stem+Flexible Type		124									
	Double Temperature Measurement		131									
Pressure Range	3.5MPa	35bar	500psi	5C								
	5MPa	50bar	750psi	7.5C								
	7MPa	70bar	1000psi	1M								
	10MPa	100bar	1500psi	1.5M								
	20MPa	200bar	3000psi	3M								
	35MPa	350bar	5000psi	5M								
	50MPa	500bar	7500psi	7.5M								
	70MPa	700bar	10000psi	10M								
	100MPa	1000bar	15000psi	15M								
	140MPa	1400bar	20000psi	20M								
	200MPa	2000bar	30000psi	30M								
Process Connection	1/2"-20UNF				1/2							
	M14×1.5				M14							
	M18×1.5				M18							
Rigid Length	3"=7.6cm					3						
	6"=15cm					6						
	9"=23cm					9						
	12.5"=32cm					12						
Flexible Length	No Flex						N					
	18", 46cm Flex						18					
	30", 76cm Flex						30					
Signal Output	2mV/V							2				
	2.5mV/V							2.5				
	3.33mV/V							3.33				
E-Connection	5PIN									A		
	Lead wire Conduit with 42" Leads									C		
Temperature Model	Pt100 RTD, 3"flex										Pt100	
	E Type TC, 3"flex										E	
	K Type TC, 3"flex										K	
	J Type TC, 3"flex										J	
Special Code	Standard version special or customized versions available on request											0 0 0