

With Digital Display

PT115&PT125&PT135 Series Melt Pressure Transmitter

Characteristic

- * Signal output:4~20mA
- * Accuracy grade:±0.5%F.S
- * Special diaphragm coating
- * IP65 ingress protection
- * Four-digit display
- * 80% internal calibration



Description

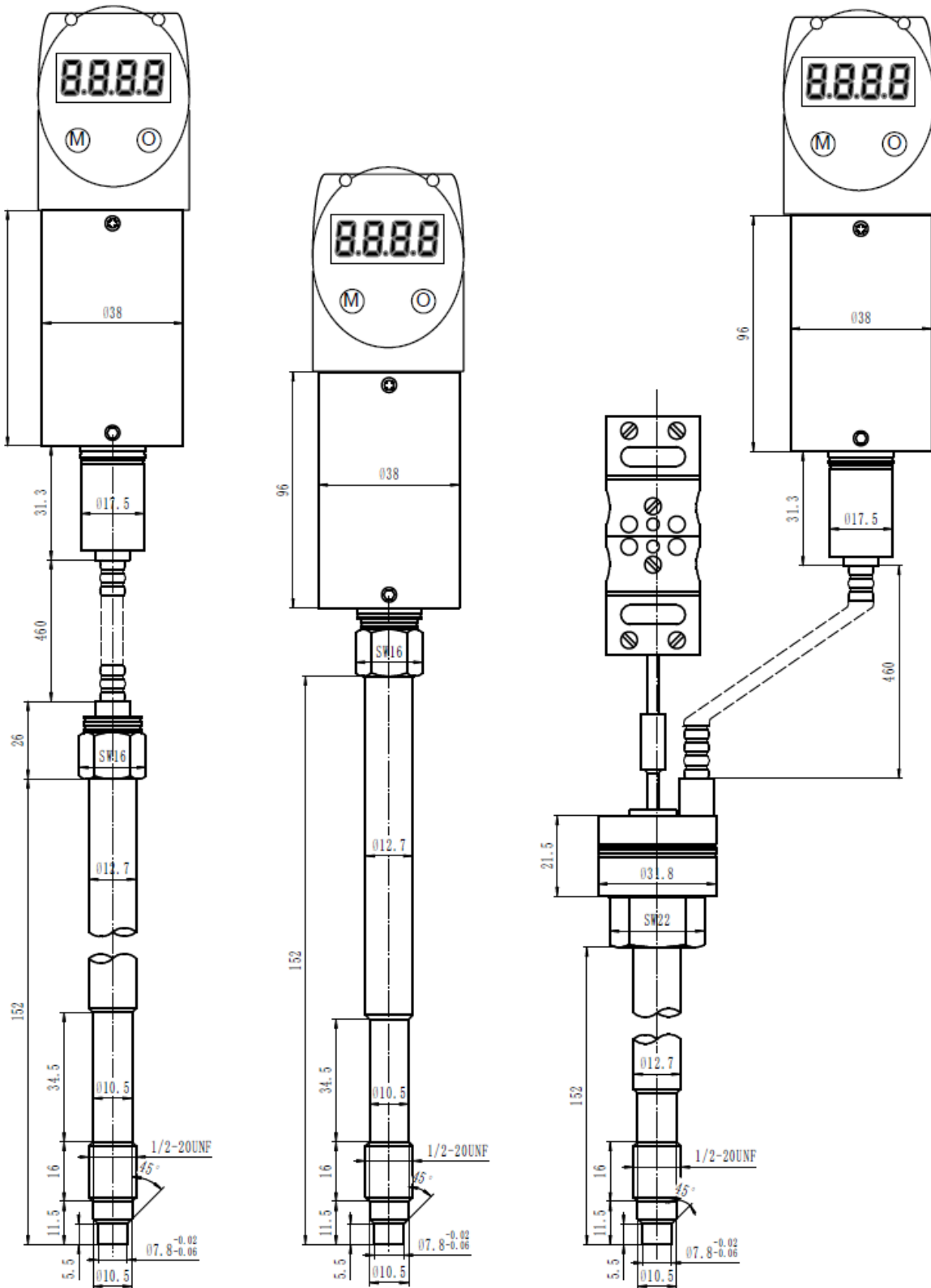
Applications

Extruder Industry
Injection Industry

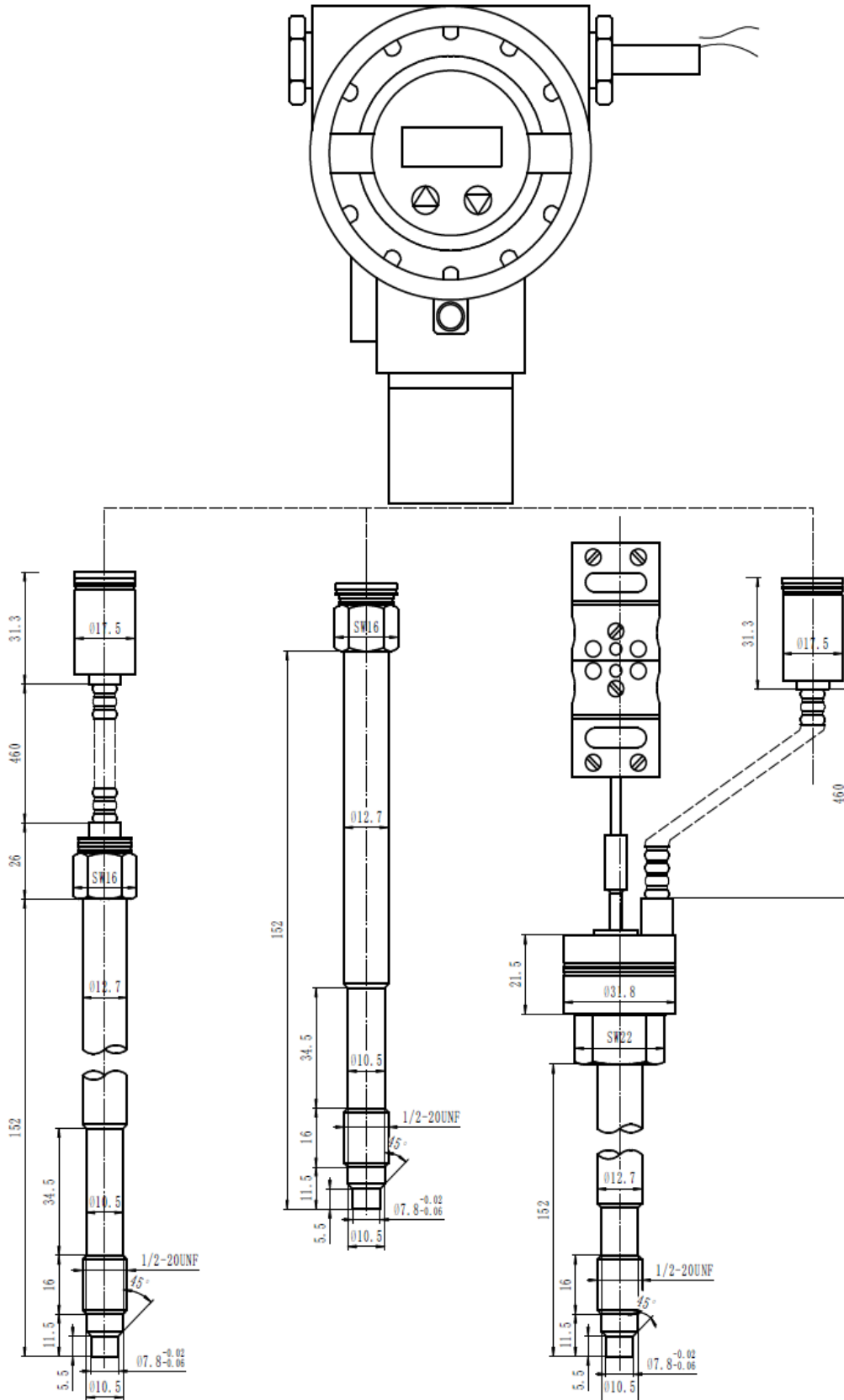
Melt pressure transmitter with digital display is designed to measure at high temperature in the Extruder Industry and Injection Industry. Special diaphragm material and highly anti-abrasive coating of which enable it to work normally at high temperature up to 400°C. This series adopts threaded connection and digital display with relay output available. This series is characterized by high stability and long lifespan.

TECHNICAL PARAMETERS		MECHANICAL AND SEALING CHARACTERISTICS	
Power Supply	mV/V: 10 V DC(recommended), mA or V : 24V DC	Transducer Technology	Bonded Wheatstone and Wheatstone bridge
Signal Output	3.33mV/V, 0-5V, 0-10V or 4-20mA	Diaphragm Temperature	750° F(400°C), at most
Accuracy	±0.25% FS, ±0.5% FS, ±1% FS	Diaphragm Materials	5 Different Diaphragm Options
Repeatability	±0.2% FS	Progress Connection	1/2 – 20 UNF and M14 × 1.5, M16 × 1.5, M18 × 1.5 Thread
Working Temperature	mV/V, mA: 185° F (85°c)	E – connection	5 PIN,6 PIN,7 PIN,8 PIN
Overload Ability	2x FS	Install Torque	500 in/lbs , at most
Pressure Range (bar)	0-35 Bar---2000Bar	Temperature Transducer (optional)	E/J/K/PT100 Type Thermocouple Matches With 3" Flexible Conduit
Pressure Unit	psi, Bar, kPa or MPa	Certification	Patented
Zero Adjustment (±% FS)	mV/V: No, mA: ± 20%	Certification	CE Certified
Zero Balance Design (±% FS)	mV/V: ± 10%: mA: ± 0.5%	Recommend Fitting	
Zero Drift (caused by progress temperature change)	1.5bar/100° F(3bar/100°)	Install Tools	Component GJ
Bridge Resistance	mV/V: 345 Ω, at least	6 Pin E – connection	Component CON06
Overload Resistance	mA: 1100 Ω, at most	Matching Connection	
Insulation Resistance	mV/V: 100MΩ @50 Vdc mA: 100M Ω @50 Vdc	Fix Frame (electric device)	Spares No.:ZJ, cable Fitting, indicator
Shunt Calibration (R-Cal)	80% FS ± 1% FS		

Dimension



Dimension



E-Connection

5-PIN Standard Aviation Connector

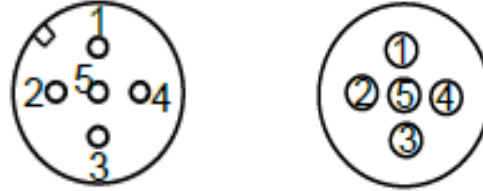


Plug

receptacle

Port	Wring Definition
1	DC24V input
2	blank
3	GND grounding wire
4	blank
5	4~20mA current output

M12 Standard Aviation Connector



plug

receptacle

Port	Wring Definition
1	DC24V input
2	A1 alarm port
3	GND grounding wire
4	A2 alarm port
5	4~20mA current output

Ordering Code

Series Code	PT													
Product Type	Rigid Stem Type	115												
	Flexible Type	125												
	Double Measurement Type	135												
Digital Display	Compact digital head		LX											
	I.S 2088 housing with digital head		FX											
	I.S 2088 housing without digital head		FN											
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								
	82.6 flange					8F								
	66.8 flange					6F								
Rigid Stem Length	5 inches (127mm) (for 82.6 flange process connection)						5							
	6 inches (152mm) (for 66.6 flange process connection)						6							
	9 inches (229mm)						9							
	12.5 inches (318mm)						12							
	15 inches (381mm)						15							
	18 inches (460mm)						18							
Flexible Length	18 inches (460mm)							/18						
	24 inches (610mm)							/24						
	30 inches (760mm)							/30						
Signal Output	4~20mA+H not for LX series)							mA						
	4~20mA							H						
Temp. Measurement	J Type								J					
	K Type								K					
	E Type								E					
	Three wire Pt100								RTD1					
Alarm Type (only for LX series)	None									N0				
	Photocoupler output(20mA current output driving relay of 16A current at most)									N1				
	Relay PNP output (1A current at most)									N2				
	Relay NPN output (1A current at most)									N3				
	Transistor PNP output (250mA current at most)									N4				
	Transistor NPN output (250mA current at most)									N5				
E-Connection	M12 connector (only for LX series)										I5			
	Lead wire x meters (not for LX series)										MX			
Diaphragm Material	17-4PH(standard)											Blank		
	Hastelloy (anti-corrosive type)											C2		
	Inconel718 (anti-abrasive type)											I7		
	17-4PH thickening diaphragm											T2		

Special Code | Standard version special or customized versions available on request

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