

Melt Pressure Transducer

PT150&PT152&PT153 Series Environmental-Friendly

Characteristic



- * Signal output:3.33mV/V, 0-10V,0-5V,4-20mA
- * Special diaphragm material
- * IP65 ingress protection
- * 80% internal calibration
- * Special environmental-friendly oil filling

Description

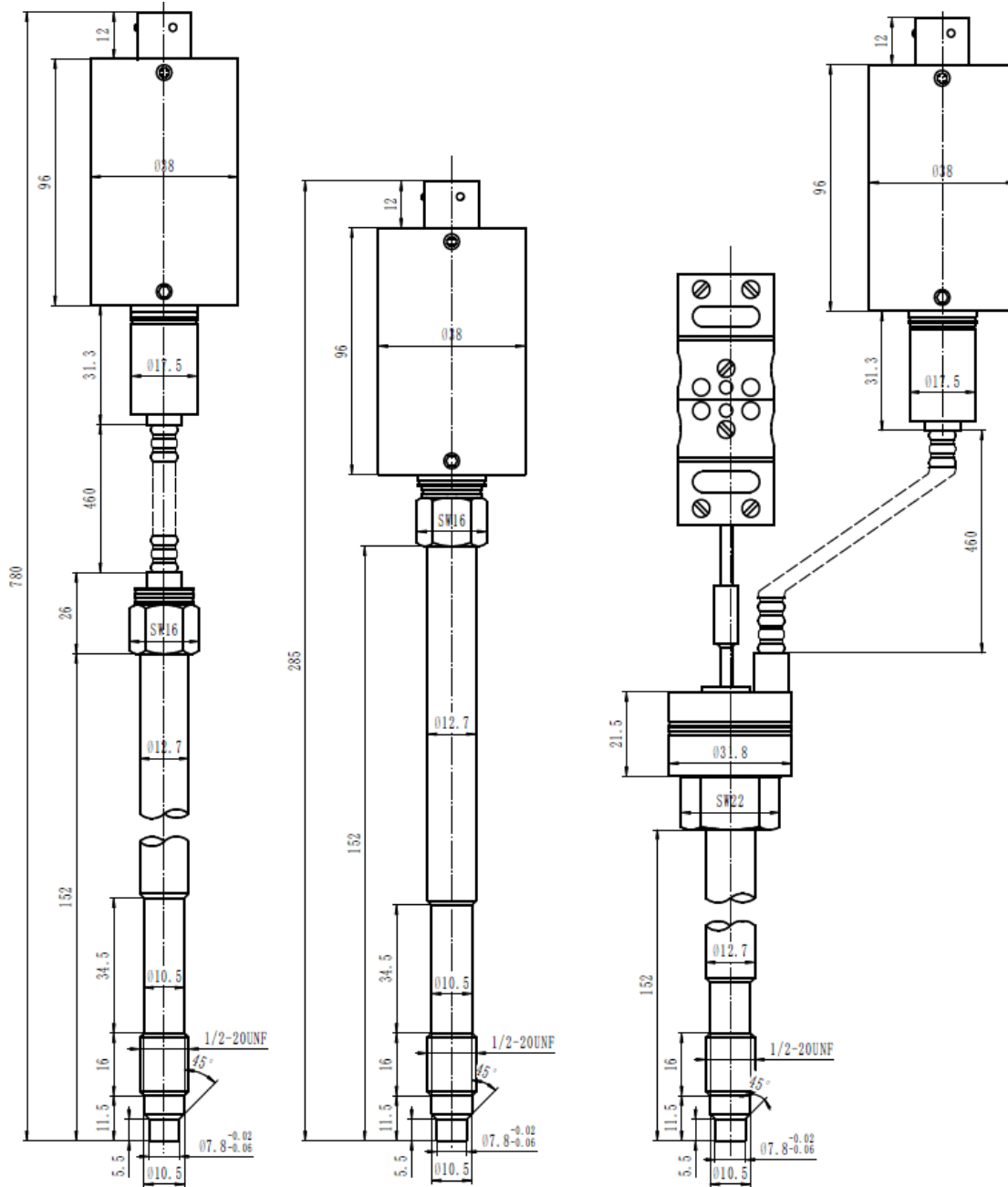
Application

Extruder Industry
Injection Industry

This series adopt environmental-friendly oil-filling technology,the special diaphragm and highly anti-abrasive coating of which enable it to work normally at high temperature of 300°C .It adopts standard threaded connection with 80% internal calibration and is characterized by high stability,long service life and non-toxicity.

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: 1000MΩ @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



E-Connection 6 PIN

Current Output Signal (4-20mA)					
A	B	C	D	E	F
E+	S+			CAL	CAL
red	black			blue	orange

Voltage Output Signal (0-5V,0-10V,mV)					
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.

