

Melt Pressure Transmitter

MODEL: MDCT5

Description

MDCT5 Series Melt Pressure Transducer (Flexible stem & High accuracy) comes with thermocouple, it 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. It is suitable for pressure measuring and controlling in melt fluid medium, such as the plastic & polymer in the process equipments.

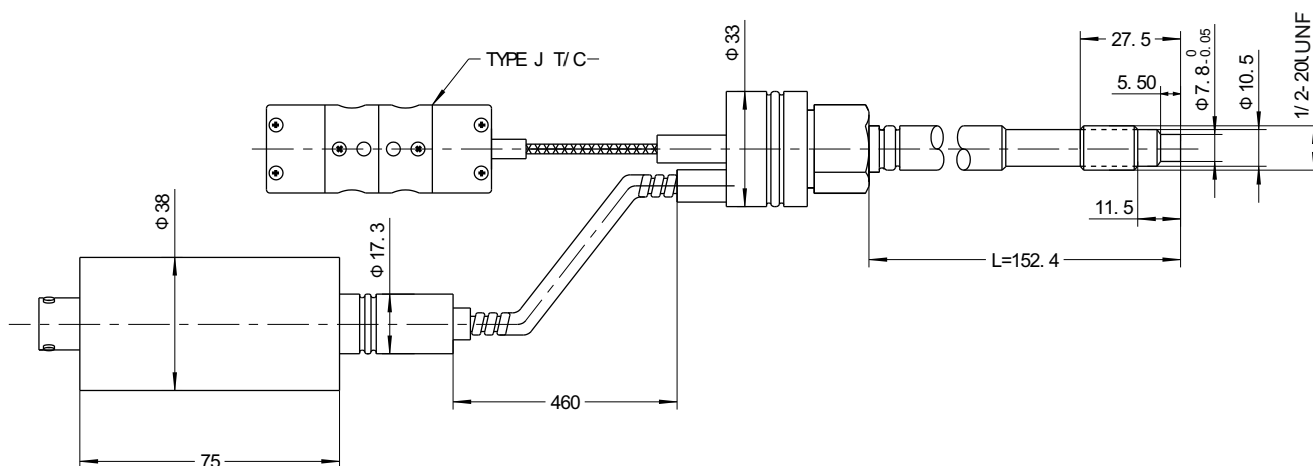
Special Feature

- 1 year warranty
- Available in configurations that fit most extruder applications
- Stainless steel Seal
- Simple Installation
- Completely interchange similar import products
- Internal 80% calibration
- Excellent stability

Application

- Chemical fiber & spinning Equipment
- Plastic and rubber, polyester process equipment
- Other pressure measurement and Control

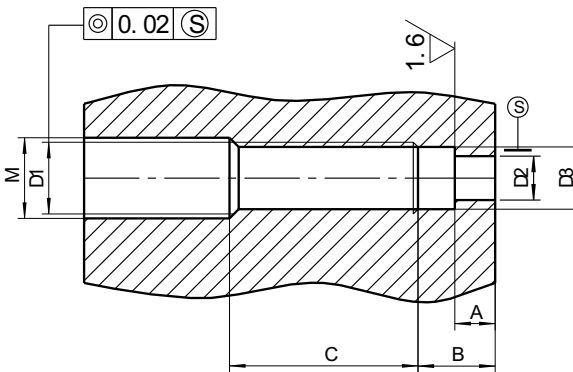
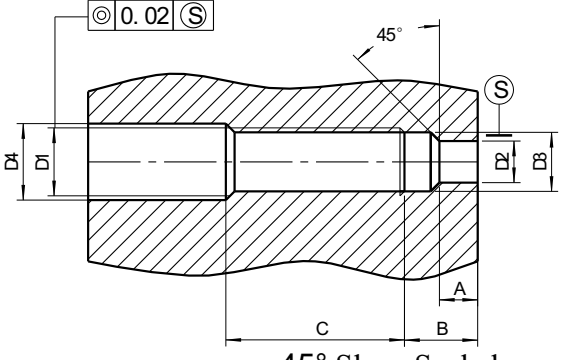
Dimension



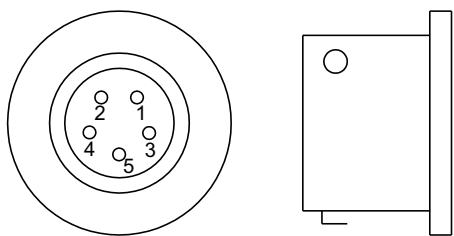
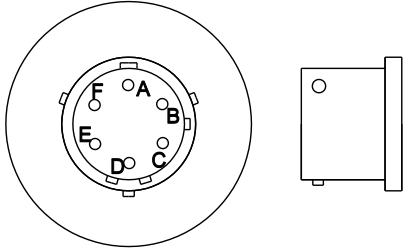
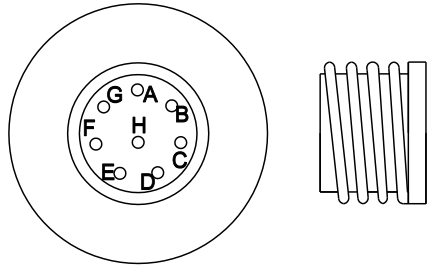
Specification

Range:	0....10MPa to 0....150MPa (0...1500psi to 0...20000psi)
Output:	2mV/V- 3.33mV/V-0...10VDC-4...20mA
Accuracy:	±0.5%FS
Input voltage:	10 (6~12V) DC
Repeatability:	±0.2%
Bridge resistance:	350 ohms±10%
Overload pressure:	1.5×FSO
Internal calibration:	80%±1%
Insulation Resistance:	1000Megohms @50Vdc
Max. Diaphragm Temp:	0~400℃
Thermocouple type:	J,K,E,PT100 Optional
Electric connector:	5PIN, 6PIN
Process connector:	1/2"-20UNF, M14×1.5, M18×1.5 (Customer design)

Mounting Hole

 Planar Sealed	D1	M22×1.5	M28×1.5	G3/4"	PT3/8"
	D2	Φ16.1	Φ18.3	Φ18.3	Φ10.3
	D3	Φ20.1	Φ26.1	Φ24.2	Φ14.9
	M	Φ23	Φ30	Φ21	Φ11
	A	11	12	12	14
	B	12	15	15	19
	C	40	35	35	40
 45° Slope Sealed	D1	M12×1.5	M14×1.5	1/2-20UNF	M18×1.5
	D2	Φ8	Φ8	Φ8	Φ10.1
	D3	Φ10.8	Φ12.5	Φ11.5	Φ16.1
	D4	Φ12.5	Φ14.5	Φ13.1	Φ20
	A	6	6	6	6.5
	B	9	9.5	9.5	10
	C				

Wiring diagram

Output	Function	Color	5PIN	
0/5V; 1-5V; 0/10V 0/0.5V 2.0mV/V	Signal +	Blue	1	
	Excitation +	Red	2	
	Signal -	White	3	
	Excitation -	Yellow	4	
	Calibration	Black	5	
Output	Function	Color	5PIN	
4/20mA	Signal+	Blue	1	
	Excitation+	Red	2	
	Calibration	Yellow	4	
	Calibration	Black	5	
Output	Function	Color	6PIN	
0-5V; 1-5V; 0-10V; 0/0.5V 3.33mV/V	Signal +	Blue	A	
	Signal -	Green	B	
	Excitation +	Red	C	
	Excitation -	Yellow	D	
	Calibration	Brown	E	
	Calibration	Black	F	
Output	Function	Color	6PIN	
4-20mA	E+ / S+	Red	A	
	E- / S-	Blue	B	
	Calibration	Yellow	E	
	Calibration	Black	F	
Output	Function	Color	8PIN	
0-5V; 1-5V; 0-10V; 0/0.5V 3.33mV/V	Excitation +	Red	A	
	Signal +	Blue	B	
	Excitation -	Yellow	C	
	Signal -	Green / White	D	
	Calibration	Brown	E	
	Calibration	Black	F	
	Blank	--	G, H	
Output	Function	Color	8PIN	
4-20mA	E+ / S+	Red	A	
	E+ / S+	Blue	B	
	Calibration	Yellow	E	
	Calibration	Black	F	

Ordering Information

MDCT5	Code	Dimension							
	5	5PIN							
	6	6PIN							
	8	8PIN							
		Pressure range · 0. . . . 35bar... 1500 BAR							
		(0-X)PSIor BAR		X: measurement range					
			Code	Power supply					
			D1	24VDC					
			D2	6. . . 12VDC					
			D3	Others					
				Code	Output signal				
				S1	4~20mADC	S5	0~20mADC		
				S2	1~5VDC	S6	0~10VDC		
				S3	0~5VDC	S7	2mV/V		
				S4	0~10mADC	S8	3. 33mV/V		
					Code	Pressure port			
					J1	M12*1. 5			
					J2	M14*1. 5			
					J3	1/2-20UNF			
					J4	M18*1. 5			
			J5		M22*1. 5				
	J6	M28*1. 5							
	J7	G3/4"							
	J8	NPT3/8							
	J9	other connection							



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