

EST333 High Temperature Pressure Transmitter

- ✓ Range: -0.1Mpa-0Kpa~10Kpa-100Mpa
- ✓ Minimal Range: 0-7Kpa
- ✓ Accuracy: $\pm 0.25\%F.S$; $\pm 0.5\%F.S$
- ✓ Compensation Temperature: -10~70°C
- ✓ Working Temperature: -60~200°C; -60~260°C
- ✓ Ingress Protection: IP68 with Ex-Proof
- ✓ Kinds of pressure signal output
- ✓ Kinds of connection and pressure port

Applications

Contaminant & High Humidity Environment |
 Energy & Water Treatment | Flammable & Explosive
 Hazardous

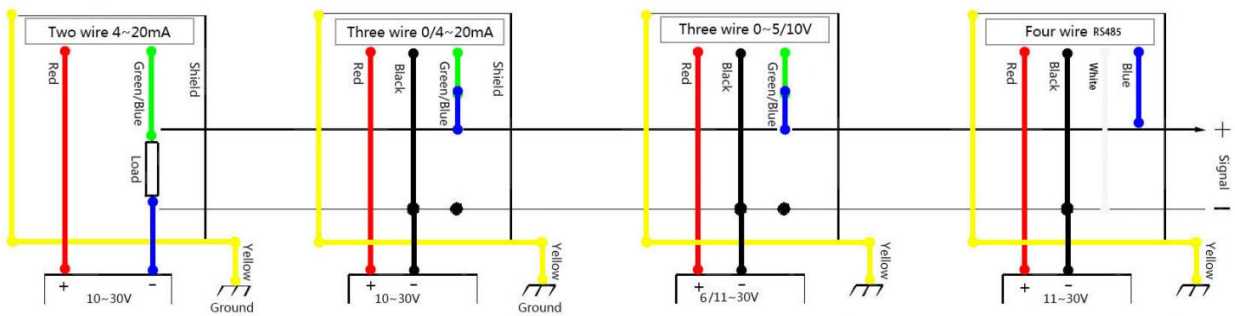
Product Introduction

EST333 and EST333S are High Temperature Pressure Transmitter adopt the Sapphire sensor element which has very table and advanced performance even temperature reach to 200 °C to 260°C, the design of compact size is much rugged and which can save installation space. Excellent sensor performance guarantees the range of EST333 can be 0-70mbar and 0-100mbar, and the accuracy is 0.5%/F.S.

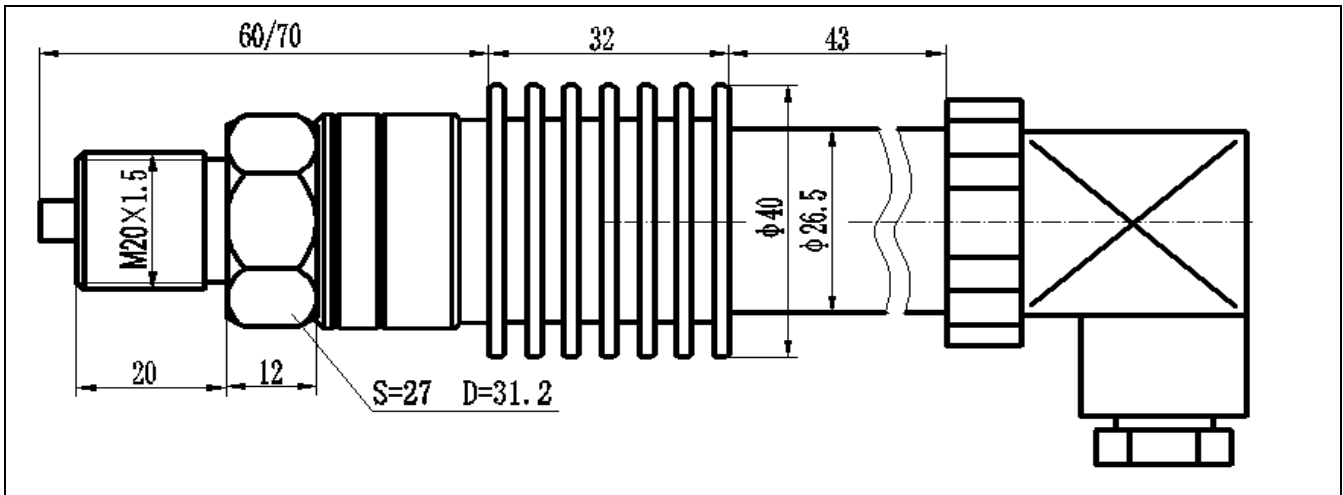


Electrical Connections and Dimensional Drawings

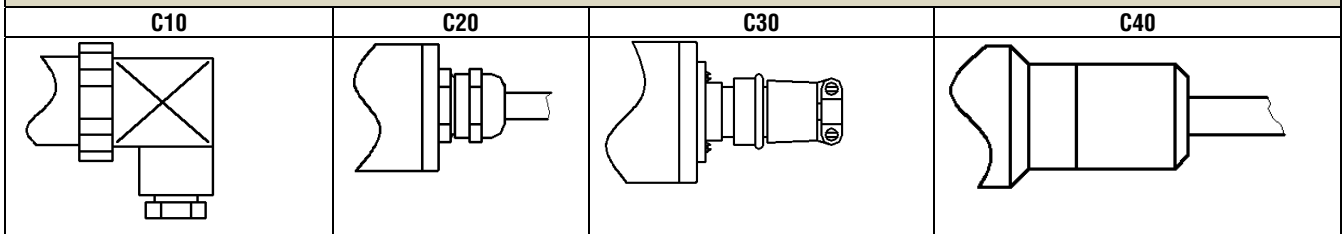
Electrical Wires Connection of EST333 and EST333S



Demension Drawing of EST333



Electrical Connection of EST333 and EST333S



Specifications

Measuring Range	-0.1Mpa-0Kpa~10Kpa-100Mpa		Medium compatibility	Corrosive medium compatible with 1Cr18Ni9Ti
Overload pressure	1.5-2.0 times of rated pressure 10Mpa and less for 2X; 10Mpa above for		Insulation	>100MΩ@100Vdc
Burst Pressure	3 times of rated pressure		Electric Strength	500V@60second
Accuracy	±0.5%F.S (at 25 °C)		Electrical Connections	HSM. DIN43650, Protection IP65/ Cable outlet, Protection IP68
Stability	0.25%F.S/Y		Process connection	NPT½; NPT¼; BSP ½"; BSP ¼"; M20x1.5
Working temperature	-60~200°C (with radiator) -60~260°C (with enhanced radiator)		Response Time	10ms
Seal material	NBR O-Ring default; EPDM		EMC	EMI:EN50081-1/-2; EMS EN50082-2
Electrical parameters	Two wire	Three wire		
Output Signal	4~20mA	0~10Vdc	0~5V	
Power supply	12~30Vdc	13~28Vdc	1~5V/6V	
Load resistance	(U-12)/0.02(Ω)	Voltage type: >10K Ω		

1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa

Ordering Procedure

EST	Piezoresistive Pressure Transmitter								
	Code	Model							
	333	Working Temperature 200C							
	333E	Working Temperature 200C, with Ex-proof							
	333S	Working Temperature 260C with Heating Radiator Enhanced							
	Code	Span							
	1	0-10Kpa							
	2	0-100Mpa							
	Code	Output Type							
	A	4~20mA							
	V	0~5V							
	V1	0~10V							
	R	RS485							
	Code	Precision							
	0.25	±0.25%F.S							
	0.5	±0.5%F.S							
	Code	Power Supply							
	DC8	10~30Vdc							
	DC13	13~28Vdc							
	Code	Process connection							
	M	M20 x 1.5							
	G2	G1/2							
	R2	R1/2							
	N2	NPT1/2							
	B12	BSP 1/2"							
	Code	Electrical Connections							
	C10	DIN43650-A with with M20x1.5							
	C20	Cable Electrical Connection with M20x1.5							
	C30	Aviation Plug with M20x1.5							
	C40	Water-Proof Cable with M20x1.5							
	Code	Cable length XXm=... m							
	Code	Packing							
	Bb	Bubble bag							
	Foam	Plastics foam							
EST	333	1	A	0.5	DC8	B12	C10	1.5	Bb