

EST330 High Accuracy Piezoresistive Pressure Transmitter

- ✓ Pressure type: Gauge/Seal gauge Pressure
- ✓ Range: 0.1Mpa...-0.01Mpa~0.01MPa...100MPa
- ✓ Accuracy $\pm 0.25\%F.S.$, $\pm 0.5\%F.S.$ (No accuracy losing in full temperature range)
- ✓ Stability $0.25\%F.S./Year$ (typical), $0.4\%F.S./Year$ (maximum)
- ✓ Customized working temperature: $-40^{\circ}C \sim 125^{\circ}C$
- ✓ Signal Output: 4~20mA, 0~20mA 0/1~5V, 0.5~3/4.5V, 0~10V
- ✓ Power supply: 10/11~30Vdc, 8~24Vdc, 5V(ratio), 8/11~30V
- ✓ Optional Field Display

Applications

Gas dispenser | Refrigerator | Hydraulic control | Farm equipment | Pressure Gauge | Energy and water treatment | Real-time well management | Automatic detection system

Product Introduction

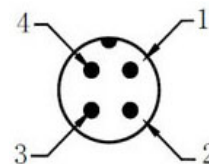
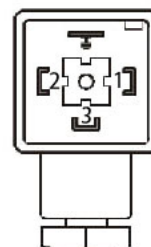
EST330 is a reliable industrial pressure transmitter with high accuracy. With adjustable range, the product is applicable to the pressure measurements of gas and liquid, such as water, oil and other light corrosive liquid and gas.

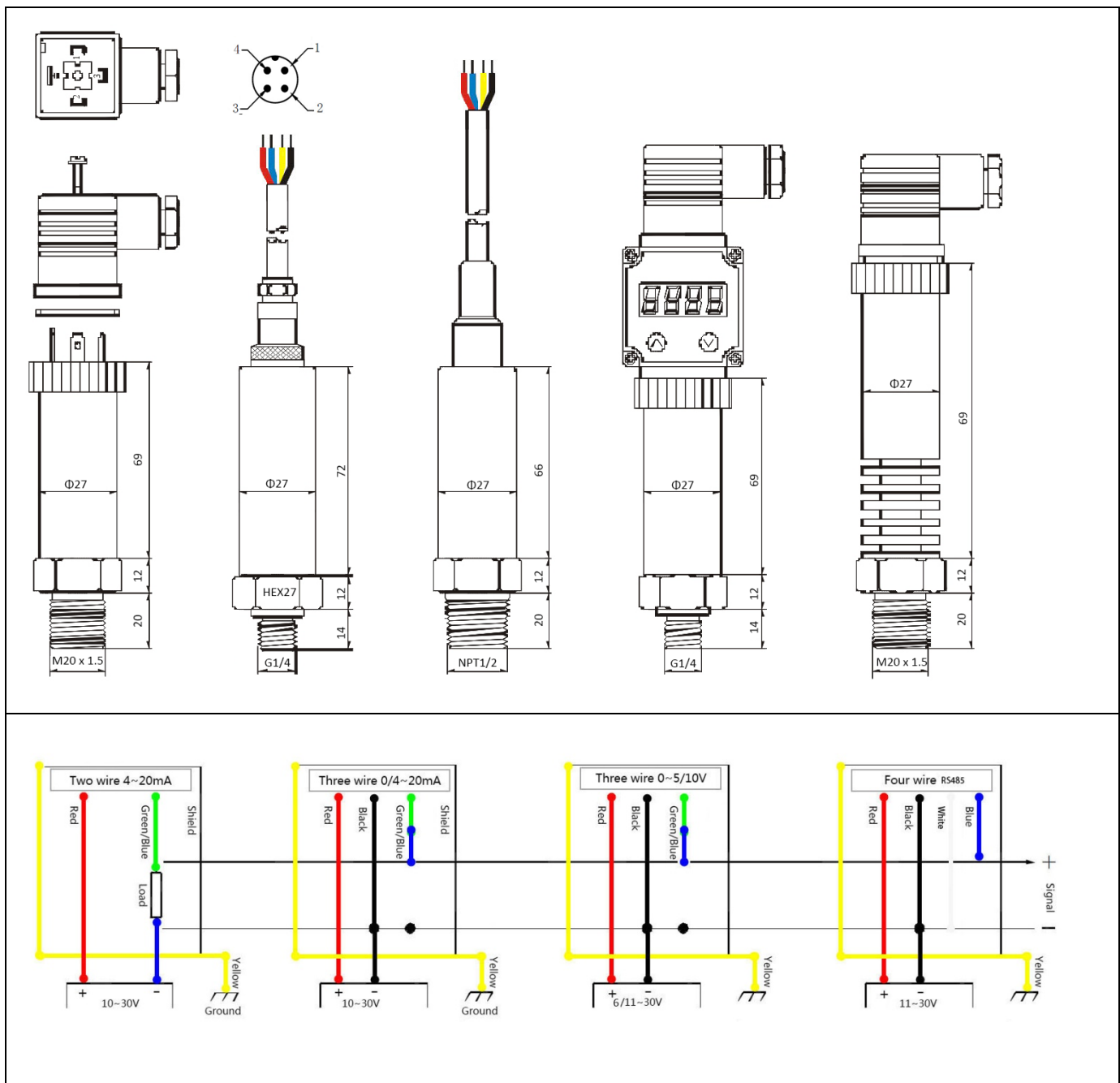
Electrical Connections and Dimensional drawings



Electrical connection					
Cable	Two wire	Cable	Three wire	Hirschman	Four wire
Red	Power	Red	Power Supply	1	Power
Blue/Green	Output	Black	GND	3	GND
		Blue/Green	Output	2	RS485+
Black	Shield	Yellow	Shield	≡	
		White			RS485
Signal output					
Two wire	4~20mA				
Three wire	0~20mA, ~5V, 0.5~4.5V, 0~10Vac, 1~5V, 0.5~3V				
Four wire	RS485				

Electrical connection					
Cable	Two wire	Cable	Three wire	GX16-7	Four wire
Red	Power	Red	Power Supply	1	Power
Blue/Green	Output	Blue/Green	Output	2	RS485+
Black	Shield	Black	GND	3	GND
Yellow		Yellow	Shield	4	
		White			RS485
Signal output					
Two wire	4~20mA				
Three wire	0~20mA, ~5V, 0.5~4.5V, 0~10Vac, 1~5V, 0.5~3V				
Four wire	RS485				





Specifications

Measuring Range	-0.1MPa...-0.01MPa~0~0.01MPa...100.0MPa	Medium compatibility	All 1Cr18Ni9Ti-compatible corrosive mediums
Overload pressure	1.5 times of rated pressure	Insulation	>100M Ω @50V
Burst Pressure	3 times of rated pressure $\pm 0.5/55^{\circ}\text{C}$; Note temperature effect error is doubled at range 3; the error for analog model is doubled	Electric Strength	500V@60second
Precision	Accuracy	Electrical Connections	DIN43650-A, GX16-7, cable electrical connection
Stability	0.25%F.S/Y, 0.4%F.S/Ymax	Process connection	M20 x 1.5, G1/2, R1/4, NPT1/2;

Working temperature	-40~85℃, (-40~125℃ Customize)			Safety Level	Intrinsically Safe E; Explosion-proof D;
Compensation temperature	-10~70℃, (Customizable for full temperature range)			Electromagnetic compatibility	Electromagnetic radiation: EN50081-1/-2; Electromagnetic Sensitivity: EN50082-2
Electrical parameters	Two wire	Three wire			
Output Signal	4~20mA	0~20mA	0~5Vdc	0.5~4.5Vdc	0~20mA
		0~10Vdc	1~5Vdc	0.5~3Vdc	0~5/10Vdc
Power supply	10~30Vdc	11~30Vdc	8~24Vdc	5V (Ratio)	8/11~30Vdc
Load resistance	(U-10)/0.02(Ω)	Current: (U-10)/0.02(Ω); Voltage>20kΩ			
1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa					

Ordering Procedure

EST	High Accuracy Piezoresistive Pressure Transmitter									
	Code	Model								
	330G	Universal								
	330E	Intrinsically safe and explosion-proof								
	330D	Explosion-proof								
	330C	+Display and Control								
	330TH	Heat-resistant								
	330F	Flush								
	Cod	Span								
	1	-0.1MPa...-0.01MPa-0~0.01MPa...100.0MPa;								
		Code	Output Type							
		A	4~20mA							
		V	0~5V							
		V1	1~5V							
		V05	0.5~4.5V							
		V2	0~10V							
		Code	Precision							
		0.25	±0.25%F.S							
		0.5	±0.5%F.S							
		Code	Power Supply							
		DC5	5Vdc							
		DC24	24 Vdc							
		DC6	6~24 Vdc							
		DC10	10~30 Vdc							
		DC11	11~30 Vdc							
		Code	Process connection							
		M	M20 x 1.5							
		G2	G1/2							
		R2	R1/2							
		N2	NPT1/2							
		G	G1/4							
		Code	Electrical Connections							
		H	DIN43650-A							
		C	Cable Electrical Connection							
		CW	Waterproof cable conduit connections							
		Code	Cable length XXm=... m							
			Code	Packing						
			Bb	Bubble bag						
			Foa	Plastics foam						
EST	330G	1	A	0.25	DC5	M	C	1.5m	Bb	