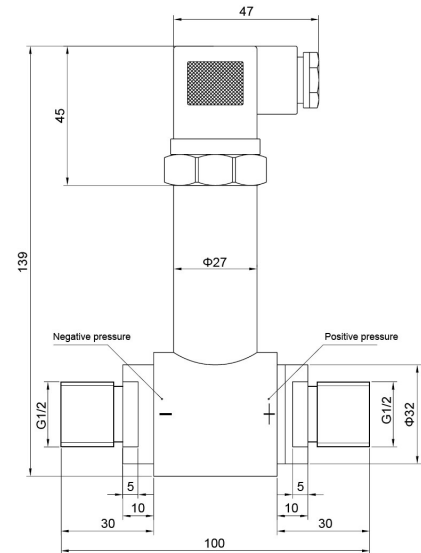


EST350 Differential Pressure Transmitter

- ✓ Pressure type: Differential Pressure
- ✓ Range: $\pm 5\text{KPa} \dots \pm 5000\text{KPa}$
- ✓ Accuracy: $\pm 0.25\% \text{F.S.}, \pm 0.5\% \text{F.S}$
- ✓ Stability $0.1\% \text{F.S./Year}$ (typical) , $0.2\% \text{F.S./Year}$ (maximum)
- ✓ Operating temperature: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- ✓ Signal Output: $4 \sim 20\text{mA}, 0/1 \sim 5\text{V}, 0 \sim 10\text{V}$
- ✓ Power supply: $10/11 \sim 30\text{Vdc/ac}, 8 \sim 36\text{Vdc/ac}$
- ✓ Diffused silicon-oil fill system
- ✓ Anti-EMI and Lightning protection
- ✓ Ingress Protection: IP68
- ✓ OEM: Available

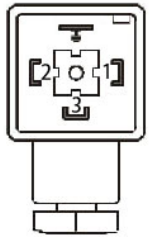
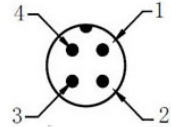


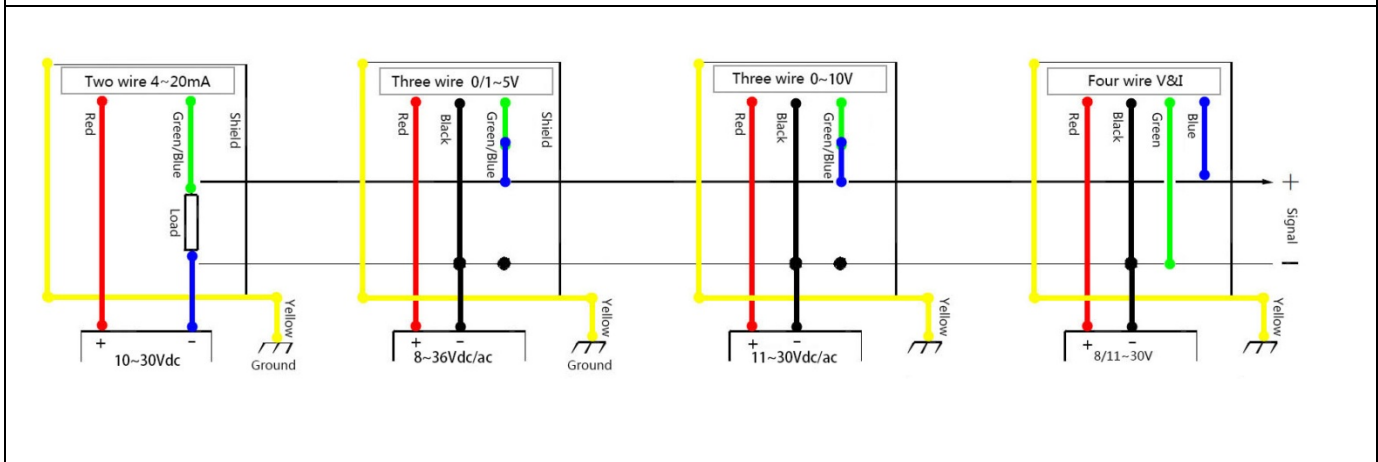
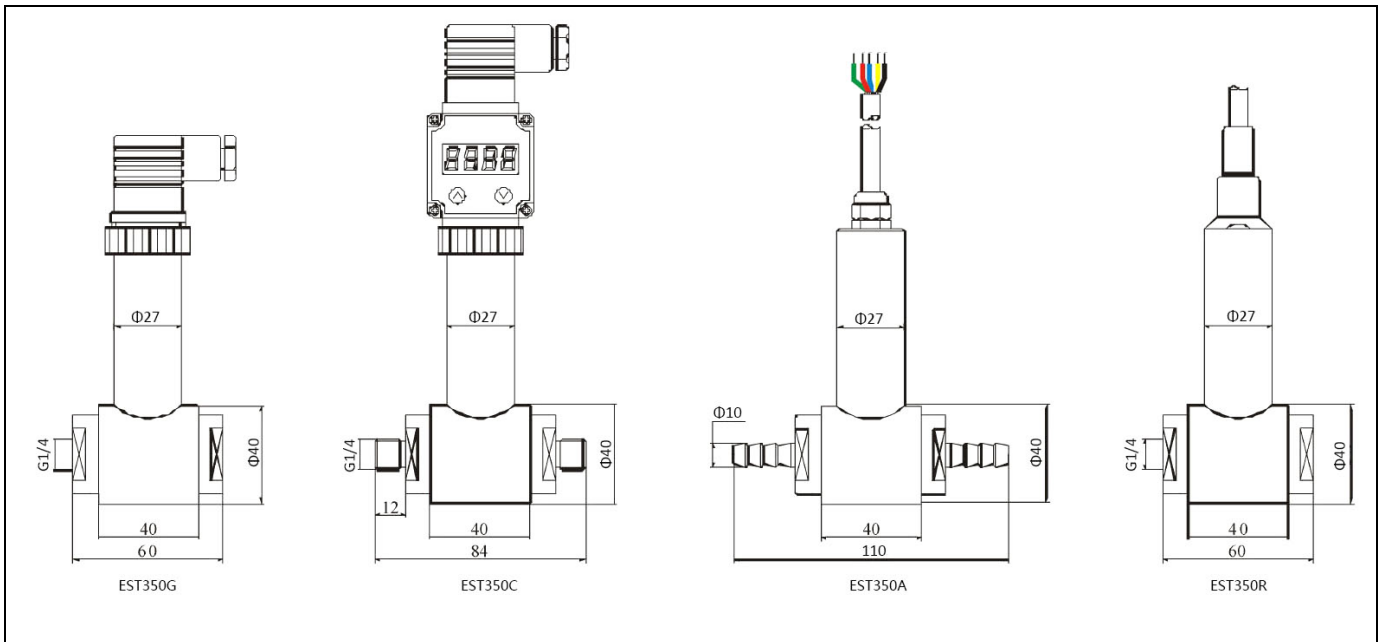
Applications

Flow measurement | Wastewater treatment | Wind Diff Pressure under mine | Water Diff Pressure at hydropower station | urban flood control and waterlogging prevention | Underwater engineering | Groundwater monitoring | Central air-conditioning terminal control | Water-saving Irrigation

Electrical Connections and Dimensional drawings

Electrical connection					
Cable	Two wire	Three wire	Hirschman	Cable	Four wire
Red	Power	Power Supply	1	Red	Power Supply
Blue/Green	Output	Output	2	Blue	Output+
		GND	3	Black	GND
Black	Shield	Shield		Green	Output-
			≡	Yellow	Shield
The Blue and the Green are interchangeable for two-wire or three-wire connection					
Signal output					
Two wire	4~20mA				
Three wire	0/1~5V, 0~10V				
Four wire	V&I				
Electrical connection					
Cable	Two wire	Three wire	GX16-7	Cable	Four wire
Red	Power	Power Supply	1	Red	Power Supply
Blue/Green	Output	Output	2	Blue	Output+
Black	Shield	GND	3	Black	GND
Yellow		Shield		Green	Output-
			4	Yellow	Shield
The Blue and the Green are interchangeable for two-wire or three-wire connection					
Signal output					
Two wire	4~20mA				
Three wire	0/1~5V, 0~10V				
Four wire	V&I				



Specifications

Measuring Range	±5kPa...±5000KPa;	Insulation	>100M Ω @50V
Overload pressure	1.5 times of rated pressure	Electric Strength	500V@60second
Pipe static pressure	3,5,10 times of rated pressure, 20MPa ±0.5/55℃; Note temperature effect error is doubled at range 3; the error for analog model is doubled	Lightening protection	Air-conduction pressure : 8000V, Shell & cable conduction pressure: 4000V
Accuracy	±0.1%F.S; ±0.25%F.S; ±0.5%F.S;	Vibration/Shock	10g/5~2000Hz, axes X/Y/Z20g sine 11ms;
Stability	0.1%F.S/Y, 0.2%F.S/Ymax;	Response time:	10ms
Working temperature	-40~85℃	Pressure durability	2 x 10 ⁶ pressure cycle@25℃
Compensation temperature	-10~70℃	Safety Level	Intrinsically Safe E; Explosion-proof D;
Medium compatibility	All corrosive mediums compatible with 1Cr18Ni9Ti and 316L	Electromagnetic compatibility	Electromagnetic radiation: EN50081-1/-2; Electromagnetic Sensitivity: EN50082-2
Electrical parameters	Two wire Three wire (Customize four-wire DP transmitter)		

Output Signal	4~20mA	0~5Vdc	1~5Vdc	0~10Vdc
Power supply	10~30Vdc	8~36Vdc/ac		11~30Vdc/ac
Load resistance	(U-10)/0.02(Ω)	>100kΩ		
Electrical Connections	DIN43650, IP65; Waterproof cable conduit connections, IP68			
Pressure connection	M20x 1.5; G1/4 female thread; G1/4 male thread; RG=Φ8 valve			
1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa				

Ordering Procedure

EST	Differential Pressure Transmitter									
	Code	Model								
	350G	Universal								
	350E	Intrinsic safety								
	350D	Explosion-proof								
	350C	+ display								
	350A	Dry gas mediums								
	350R	Waterproof wire jacket connection								
	Cod	Span								
	1	0~±5kPa...±5000KPa;								
		Code	Output Type							
		A	4~20mA							
		V	0~5V							
		V1	1~5V							
		V2	0~10V							
		Code	Precision							
		0.25	±0.25%F.S							
		0.5	±0.5%F.S							
		Code	Power Supply							
		DC24	24 Vdc							
		DC8	8~36 Vdc							
		DC10	10~30 Vdc							
		DC11	11~30 Vdc							
		Code	Pressure connections							
		M	M20x 1.5							
		GF	G1/4 female thread							
		G	G1/4 Male Thread							
		RG	Φ8 valve							
		Code	Electrical Connections							
		H	DIN43650 Hochman							
		GX	GX16-7							
		C	Waterproof wire jacket connection							
		CW	Waterproof cable conduit connections							
		Code	Cable length XXm=... m							
			Code	Packing						
			Bb	Bubble bag						
			Foa	Plastics foam						
EST	350D	1	A	0.25	DC24	M	GX	1.5m	Bb	