

EST 333 Full-temperature Pressure Transmitter

- ✓ Pressure type: Gauge Pressure
- ✓ Diesel-resistant
- ✓ Range:0~10Kpa
- ✓ Accuracy±0.5%F.S (No accuracy losing in full temperature range)
- ✓ Stability: 0.5%F.S/Year
- ✓ Signal output:4~20mA
- ✓ Power supply: 15VDC
- ✓ Oil fill system of titanium alloy
- ✓ Diesel-resistant
- ✓ Ingress Protection: IP67
- ✓ OEM: Available



Applications

Diesel/Water tank of automotive | micro-pressure measurement | High-speed rail carriages | Automatic Test System|

Product Introduction

EST333 is specially designed for the pressure measurement of diesel tanks and radiators of vehicles. The product line is highly reliable and stable, and enables digital compensation within full temperature range. The EST333 line adopts stainless steel construction to the oil fill system and housing, the latest digital compensation technology to ensure no losing of accuracy within the full temperature range, and enables zero/span trim through computer interface and external program-controlled zero/span adjustments.

Dimensional Drawings and Electrical Connections

Electrical connection		
Cable	Two wire	GX16-7
Red	Power Supply	1
Blue/Green	Output	2
Black		3
Yellow	Shield	4
Signal output		
Two wire	4~20mA	

Two wire 4~20mA

Specifications

Measuring Range	0~10KPa	Medium compatibility	Diesel protection
Overload pressure	1.5 times of rated pressure	Insulation	>20M Ω @100V
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	$\pm 0.5\%$ FS	Electrical parameters	Two wire
Stability	0.25%F.S/Y	Output Signal	4~20mA
Working temperature	-20~80 $^{\circ}\text{C}$	Power supply	15Vdc
Compensation temperature	-20~80 $^{\circ}\text{C}$	Load resistance	(U-10)/0.02(Ω)
Electrical Connections	GX16-7, IP67		
Process connection	M20 x 1.5, G1/2, R1/2, NPT1/2;		
Pressure type	GP (G)		
Electromagnetic compatibility	Electromagnetic radiation: EN50081-1/-2; Electromagnetic Sensitivity: EN50082-2		
1MPa=10bar; 1bar \approx 14.5PSI; 1PSI=6.8965kPa; 1kgf/cm 2 =1atm; 1atm \approx 98kPa			

Ordering Procedure

EST	Full-temperature pressure transmitter									
	Code	Model								
	333	High accuracy within full temperature range								
		Cod	Span							
		1	0~10KPa							
			Code	Output Type						
			A	4~20mA						
				Code	Power Supply					
				DC15	15Vdc					
					Code	Process connection				
					M	M20 x 1.5				
					G2	G1/2				
					R2	R1/2				
					N2	NPT1/2				
						Code	Electrical Connections			
						GX	GX16-7			
							Code	Cable length XXm=... m		
								Code	Packing	
								Bb	Bubble bag	
								Foa	Plastics foam	
EST	333	1	A	DC15	M	GX	1.5m	Bb		