EST3110 Pressure Transmitter for Air Compressor Industry

- ✓ Pressure type: Gauge Pressure
- ✓ Range: 0~5bar~50bar
- ✓ Accuracy: ±0.5%F.S, ±1.0%F.S, ±2.0%F.S
- ✓ Stability0.5%F.S/Year(typical), 1.0%F.S/Year(maximum)
- ✓ Customized working temperature: -40 °C ~120 °C
- ✓ Signal Output: 4~20mA, 0.5~4.5V
- ✓ Power supply: 10~30Vdc
- ✓ Ingress Protection: IP67





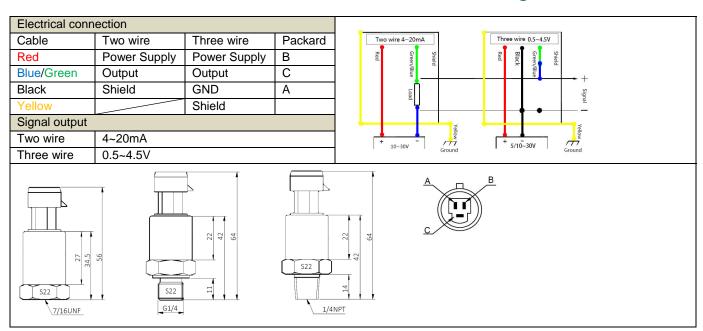
Applications

Frequency Compressor | Building water supply | Hydraulic control | Air conditioning unit | Automobile engine | Automatic detection system | Hydraulic station | Refrigeration equipment

Product Introduction

EST3110 line is low-cost pressure transmitter of high quality andreliability. Aiming for both civil and industrial purposes, the product is available for OEM. Being small in size and light in weight, the compact product is widely used for the field measurements of compressors, automobiles and air conditioners.

Electrical Connections and Dimensional drawings





Specifications and

Measuring	0~5bar50bar		Insulation	>100MΩ@50V							
Range											
Overload	1.5 times of rated	pressure	Electric	500V@60second							
pressure			Strength								
Burst	3 times of rated pr	essure	Vibration/Shock	10g/5~2000Hz, axes X/Y/Z20g sine 11ms							
Pressure		emperature effect error									
		e 3; the error for analog									
	model is doubled			05 (0)							
Accuracy	$\pm 0.5\%$ F.S; $\pm 1.2\%$		Pressure type	GP (G)							
Stability	0.5%F.S/Y, 1.0%F	S/Ymax	Response time:	10ms							
Working	-40∼120℃		Pressure	2 x 106 pressure cycle@25℃;							
temperature			durability								
Compensation	-10∼80℃		Safety Level	Intrinsically safe and explosion-proof E							
temperature											
Medium		mpatible corrosive	Electromagnetic	Electromagnetic radiation: EN50081-1/-2;							
compatibility	mediums	<u></u>	compatibility	Electromagnetic Sensitivity: EN50082-2							
Electrical	Two wire		Three wire								
parameters											
Output Signal	4~20mA	0.5~4.5Vdc									
Power supply	10~30Vdc	10~30Vdc/ac									
Load	(U-10)/0.02(Ω)	>100kΩ									
resistance											
Electrical	Packard, IP67										
Connections											
Pressure	G1/4, NPT1/4, 7/16-20UNF										
connection											
1MPa=10har: 1	har≈14 5PSI 1PSI	=6.8965kPa: 1kgf/cm2=1	atm: 1atm≈98kPa								

Ordering Procedure

EST		Pre	ssure	trans	smit	ter fo	or air	com	press	or indu	ustry					
		Co	de	Mod	del											
		311	0	Universal												
				Coc	de	Spa	n									
				1	0~5bar50bar											
						Code Output Type										
						A 4~20mA										
						V05	(0.5~	4.5Vd	С						
								Code	e Pr	ecisio	n					
							_	0.5		0.5%F						
						1.2 \pm 1.2%F.S										
						Code Power Supply										
						DC10 10~30 Vdc										
						Code Pressure connections										
							G G1/4									
								N NPT1/4								
							U 7/16-20UNF									
													Code		cal Connect	tions
													P	Packa		41.377
														Code		gth XXm= m
																Packing
																Bubble bag
FOT	I .	0.4	10						0.5							Plastics foam
EST		31	10	1			Α		0.5	DC1	U	G	P		Bb	