

EST3110B Air Compressor Pressure Transducer

- ✓ Range: 0~0.5...5MPa
- ✓ Accuracy: ±1.0%F.S, : ±4.0%F.S,
- ✓ Output: 4~20mA, 0.5~4.5V
- ✓ Power Supply: 12~30VDC
- ✓ Electrical Connection: M12X1, GX12 Aviation Plug
- ✓ Pressure Connection: G1/4, NPT1/4
- ✓ Sensing: Ceramics from German
- ✓ OEM available



Product Introduction

EST31100B Pressure Transducer with high quality, small size, compact structure, low cost and varieties range for option is especially designed for HVAC application. This products widely used in air conditioner, compressor, and auto pressure measuring.

Electrical Connections and Dimensional drawings

EST3110B Electrical Connection – M12X1 (4 pin)	Cable
	U+ / I+=1
	U- / I-=3
	S+=4
	Shield =2 / Housing

Specifications

Pressure Range	0~5bar.....50bar	Insulation	>100M Ω @50V	
Accuracy	±1.0%F.S, :±4.0%F.S	Electrical Strength	500V@60second	
Overload Pressure	1.5x	Stability	Typical 0.5%F/S, Max1%FS	
Broken Pressure	3x	Wire	Two-wire	Three-wire
Operating Temp.	-40~120°C	Output	4~20mA	0.5~4.5V
Compensated Temp.	-10~80°C	Power Supply	10~30Vdc	10~30Vdc
Vibration	10g/5~2000Hz, axes X/Y/Z20g sine 11ms	Load Resistance	(U-10)/0.02 Ω	>100k Ω
Electrical Connection	M12X1/ GX12/16-7 IP45	Response Time	<10ms	
Pressure Connection	G1/4, NPT1/4, 7/16-20UNF	EMC	EMI: EN50081-1/-2; EMS: EN50082-2	
Medium Compatibility	Corrosive medium compatible with 1Cr18Ni9Ti, ceramic			
1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa				

Ordering Procedure

EST	Pressure Transducer for Air Compressor Industry									
	Code	Model								
	3110	Universal (Packard Connection)								
	3110B	Aviation Plug Connection								
		Cod	Span							
		1	0~5bar.....50bar							
			Code	Output Type						
			A	4~20mA						
			V05	0.5~4.5V						
				Code	Precision					
				1.0	±1.0%F.S					
				4.0	±4.0%F.S					
					Code	Power Supply				
					DC10	10~30Vdc				
						Code	Process connection			
						G	G1/4			
						U	NPT1/4			
						N	7/16-20UNF			
							Code	Electrical Connections		
							M12	M12X1		
							G12	GX12 Aviation Plug		
								Code	Cable length XXm=... m	
								Code	Packing	
								Bb	Bubble bag	
								Foa	Plastics foam	
EST	3110B	1	A	0.1	DC10	G	G12	1.5	Bb	