

# EST3110B Air Compressor Pressure Transducer

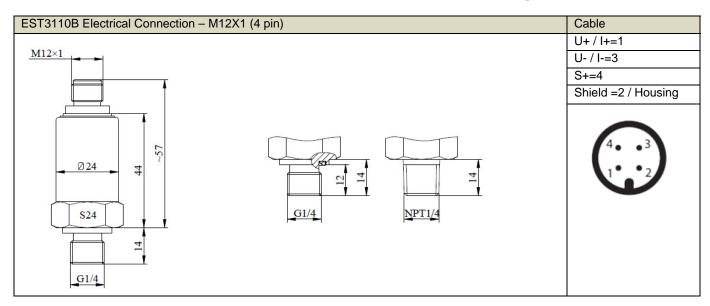
- ✓ Range; 0~0.5...5MPa
- ✓ Accuracy:  $\pm$ 1.0%F.S, :  $\pm$ 4.0%F.S,
- ✓ Output: 4~20mA, 0.5~4.5V
- ✓ Power Supply: 12~30VDC
- ✓ Electrical Connection: M12X1, GX12 Aviation Plug
- ✓ Pressure Connection: G1/4, NPT1/4
- ✓ Sensing: Ceramics from German
- ✓ OEM available



#### **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**





## Specifications

Pressure Range	0~5bar50bar	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℃	Output	4~20mA	0.5~4.5V					
Compensated Temp.	-10~80℃	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	dium Compatibility Corrosive medium compatible with 1Cr18Ni9Ti, ceramic								
1MDa_10har: 1har~14 FDSI: 1DSI-6 906FkDa: 1kaf/am2_1atm: 1atm~09kDa									

#### 1MPa=10bar; 1barpprox14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atmpprox98kPa

### Ordering Procedure

EST		Pressure	Trans	ducer	for Ai	r Com	pres	sor Indus	try		
		Code	Mod	lel							
		3110	Universal (Packard Connection)								
		3110B	Aviation Plug Connection								
	_		Cod	Sp	an						
			1	0~	0~5bar50bar						
				Co	de	Out	put T	ype			
				Α			0mA				
				V0	5	0.5-	~4.5\	/			
						Coc	de	Precision	n		
						1.0		±1.0%F	.S		
						4.0		±4.0%F			
								Code	Power	Supply	
						DC10 10~30Vdc					
									Code	Process	connection
									G	G1/4	
									U	NPT1/4	
									N	7/16-20	JNF
										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		Α	0.1	1	DC10	G	G12	1.5 Bb