

# EST3130 Pressure Transducer for Automobile Industry

- ✓ Pressure type: Gauge Pressure
- ✓ Range: 0~2bar~600bar
- ✓ Accuracy:  $\pm 1.0\%F.S.$ ,  $\pm 2.0\%F.S.$ ,  $\pm 2.5\%F.S.$
- ✓ Stability: 1.0%F.S/Year(typical), 2.0%F.S/Year(maximum)
- ✓ Customized working temperature:  $-40^{\circ}C \sim 125^{\circ}C$
- ✓ Signal Output: 0~5V, 0.5~4.5V, 1~3V
- ✓ Power supply: 10~24Vdc, 5Vdc, 8~30Vdc
- ✓ OEM: Available



## Applications

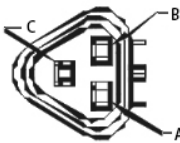
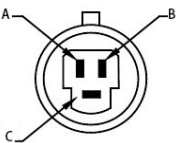
Compressor | Building water supply | Hydraulic control | Air conditioning unit |  
Automobile engine | Automatic detection system | Hydraulic station| Refrigeration equipment

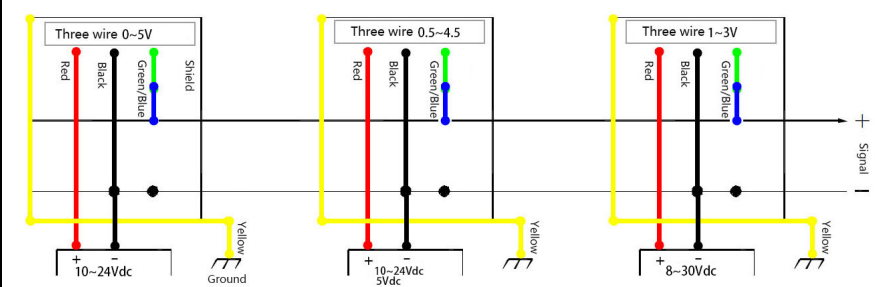
## Product Introduction

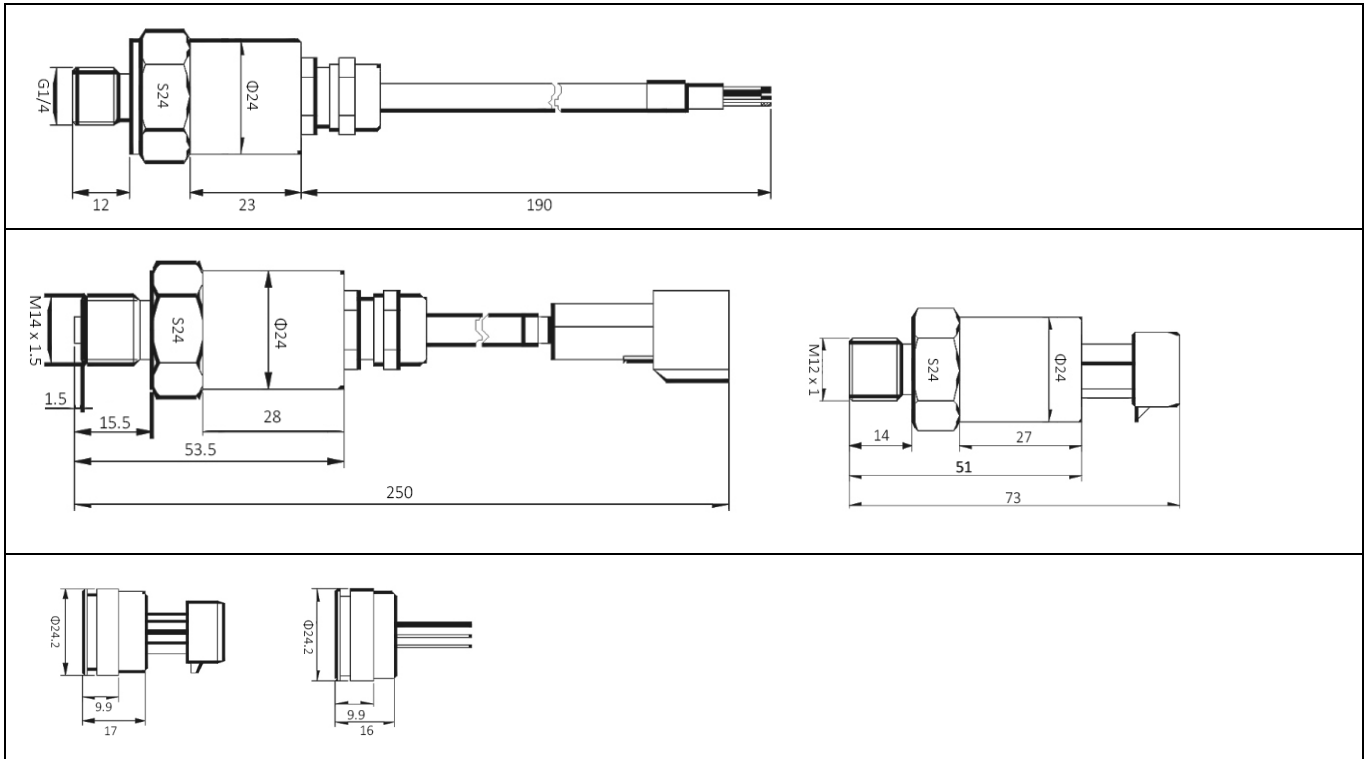
EST3130 line is low-cost pressure transducer of high quality and reliability. Aiming for both civil and industrial purposes, the product is available for OEM. Being small in size and light in weight, the compact product is widely used for the field measurements of compressors, automobiles and air conditioners.

## Electrical Connections and Dimensional drawings

Electrical connection			
Cable	Three wire	DJ7032-2.3	Packard
Red	Power Supply	B	B
Blue/Green	Output	C	C
Black	GND	A	A
Yellow			
Signal output			
Three	0~5V, 0.5~4.5V, 1~3V		





## Specifications

Measuring Range	0~2bar...600bar	Insulation	>100MΩ@50V
Overload pressure	2 times of rated pressure	Electric Strength	500V@60second
Burst Pressure	3 times of rated pressure	Vibration/Shock	10g/5~2000Hz, axes X/Y/Z20g sine 11ms
Accuracy	±1.0%F.S; ±2.0%F.S; ±2.5%F.S	Pressure type	GP (G)
Stability	1.0%F.S/Y, 2.0%F.S/Ymax	Response time:	10ms
Working temperature	-40~125℃	Pressure durability	2 x 10 <sup>6</sup> pressure cycle@25℃
Compensation temperature	-10~80℃	Electromagnetic compatibility	Electromagnetic radiation: EN50081-1/-2; Electromagnetic Sensitivity: EN50082-2
Medium compatibility	All 1Cr18Ni9Ti-compatible corrosive mediums		
Electrical parameters	Three wire		
Output Signal	0~5V	0.5~4.5V	1~3Vdc
Power supply	10~24Vdc	10~24Vdc	5Vdc 8~30Vdc/ac
Load resistance	(U-10)/0.02(Ω)		>100kΩ
Electrical Connections	Packard; DJ7032-2.3; Waterproof cable conduit connections		
Pressure connection	M14x 1.5, G1/2, M12x 1		
1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa			

# Ordering Procedure

EST	Pressure transmitter for automobile industry									
	Code	Model								
	3130	Universal								
		Cod	Span							
		1	0~2bar...600bar							
			Code	Output Type						
			V	0~5Vdc						
			V05	0.5~4.5Vdc						
			V1	1~3Vdc						
			Code	Precision						
			1.0	± 1.0%F.S						
			2.0	± 2.0%F.S						
			2.5	± 2.5%F.S						
			Code	Power Supply						
			DC10	10~24 Vdc						
			DC5	5Vdc						
			DC8	8~30Vdc						
			Code	Pressure connections						
			M1	M14x1.5						
			M2	M12x1.0						
			G2	G1/2						
			Code	Electrical Connections						
			D	DJ7032-2.3						
			CW	Waterproof cable conduit connections						
			P	Packard						
			Code	Cable length XXm=... m						
				Code	Packing					
				Bb	Bubble bag					
				Foa	Plastics foam					
EST	3130	1	V	2.5	DC10	G2	CW	1.5m	Bb	