

# EST330V Piezoresistive Pressure Transducer

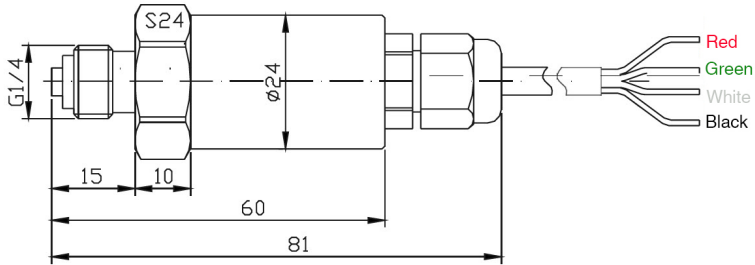
- ✓ Accuracy:  $\pm 0.25\%F.S./\pm 0.5\%F.S$
- ✓ Output: 0~100mV
- ✓ Welded structure
- ✓ O-Ring free
- ✓ OEM available

## Product Introduction

EST330V pressure transducer is especially designed for narrow range, mv signal output and high accuracy requirement measurement process, the body has been constructed ruggedly without O-Ring.



## Electrical Connections and Dimensional drawings

EST330V Dimensional drawing	Cable
	VCC+ = Red
	Signal+ = Green
	Signal- = White
	Ground= Black

## Specifications

Pressure Range	1~20kPa, 35kPa, 100kPa G	Responsive Time	10mS
Output Voltage (Vout)	0~100mVdc@5Vdc	Supply Voltage (Vcc)	3~10Vdc
Accuracy (linearity, hys-teresis, repeatability)	$\pm 0.5\%F.S$ , $\pm 0.25\%F.S$ Static Error Band @25°C, 5.0Vdc	Supply Current	$\leq 4mA$
Operating Temp.	-40~105°C	Insulate Resistance	$\geq 100M\Omega$ @50Vdc
Compensated Temp.	0~70°C	Ingress Protection	IP65
Offset Drift (between compensate temp.)	$\pm 1.25\%F.S$	Vibration	10g, 5~2000Hz
Span Drift (between compensate temp.)	$\pm 1.25\%F.S$	Shock	20g, 11ms sine
Long Stability	$\pm 0.25\%F.S/year$	Housing Material	SS304
Proof Pressure	2X	Seal Material	Welded, No O-Ring

1MPa=10bar; 1bar $\approx$ 14.5PSI; 1PSI=6.8965kPa; 1kgf/cm<sup>2</sup>=1atm; 1atm $\approx$ 98kPa