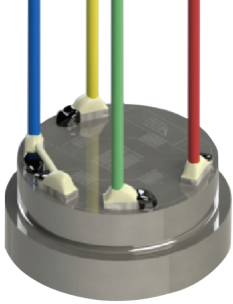




B354 Pressure Sensor



The B354 is a high stability, small diameter pressure sensor intended for use in pressure transducers and other OEM pressure measurement applications. It is available in nine standard ranges, for measuring pressures from 16 up to 1000 bar. Options include Hastelloy™, 500 Vac insulation resistance, RTD, as well as various specifications on TC Zero and TC Span. A 5,000 Ω Wheatstone bridge and thin-film strain gauge help to provide extremely low power consumption as well as unmatched long term stability. Contact us for custom ranges and specifications and we will strive to meet the desired parameters.

Product Specifications:

Ranges:	16, 25, 40, 60, 100, 160, 250, 400, 600, 1000 bar
Maximum Load (Safe):	Up to 200% FSO (Range dependent)
Bridge Configuration:	4/5-Wire Full Bridge
Bridge Resistance:	5,000 Ω Nominal
Excitation Voltage:	10 V dc/ac (20 V max)
Insulation Resistance:	1000 M Ω @ 50 V dc
Full Scale Output (FSO):	1.4 mV/V nominal
Zero Balance:	± 0.3 mV/V
Repeatability:	$\pm 0.05\%$ FSO
Linearity:	$\pm 0.50\%$ FSO
Hysteresis:	$\pm 0.20\%$ FSO
Temperature Effect on Zero:	$\pm 0.6\mu$ V/V/°C (Tighter tolerances available)
Temperature Effect on Span:	+0.03% Reading/°C (Tighter tolerances available)
Operating Temperature:	-40°C to +140°C
Body Material:	15-5PH Stainless Steel (Other materials optional)
Cable:	Customer Specific

Features:

- Low Profile
- Low Power Consumption
- Thin-Film Strain Gauge
- Long Term Stability
- Low Hysteresis

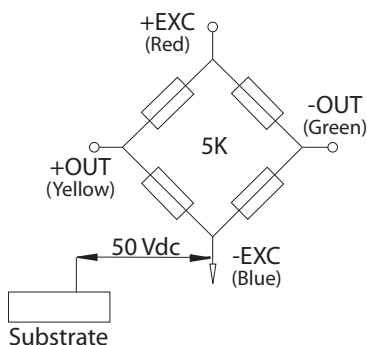
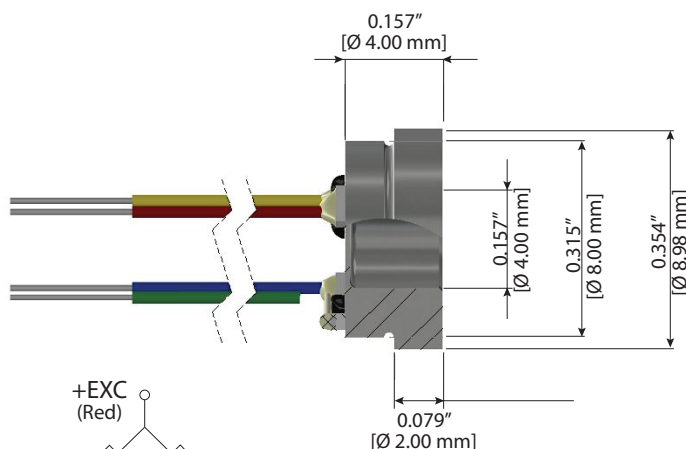
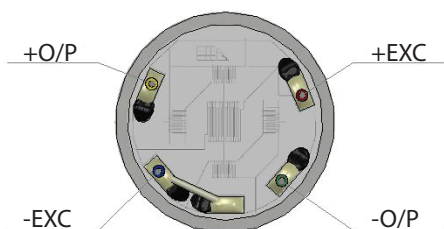
Applications:

- Pressure Transducers
- Pressure Calibrators
- Hydraulics
- Down-Hole
- Aerospace



STRAIN MEASUREMENT DEVICES

4-Wire Configuration



5-Wire Configuration

