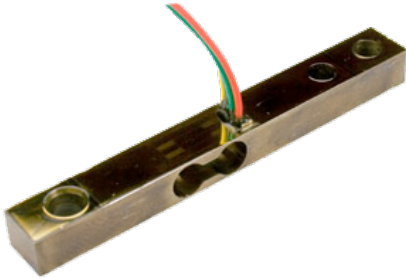


# S220 Single Point, Low Profile Load Cell



The **220 Single Point Low Profile Load Cell** is designed for applications requiring accurate measurement of forces up to 12 pounds-force. It can be used with a rigidly mounted platform or to measure tensile or compressive forces. A 10,000  $\Omega$  Wheatstone bridge offers extremely low power consumption for extended battery life in portable products. Its thin-film metal strain gauge circuit enables a long-term stability of better than 0.1% per year. Options on various specifications and mounting configurations are available.

Product Specifications:	
Capacity:	6 & 12 lb [2.7 & 5.4 kg]
Hysteresis:	0.03% R.O.
Non Repeatability:	0.03% R.O.
Creep (20 mins):	0.025% R.O.
Overload (Safe):	200% R.O.
Temperature Range:	-40°C to 150°C
Temp. Effect on Zero Balance:	< 0.03% R.O./°C
Temp. Effect on Output:	< 0.03% Reading/°C
Rated Output:	2 mV/V Nominal
Zero Offset:	3 mV/V
Excitation (Recommended):	Up to 20 Vdc
Bridge Resistance:	10000 $\Omega$
Bridge Configuration:	4-Wire Closed Bridge
Insulation Resistance:	>1000 Meg $\Omega$ 50 Vdc
Long Term Stability:	< 0.01% R.O. / Year

## Features:

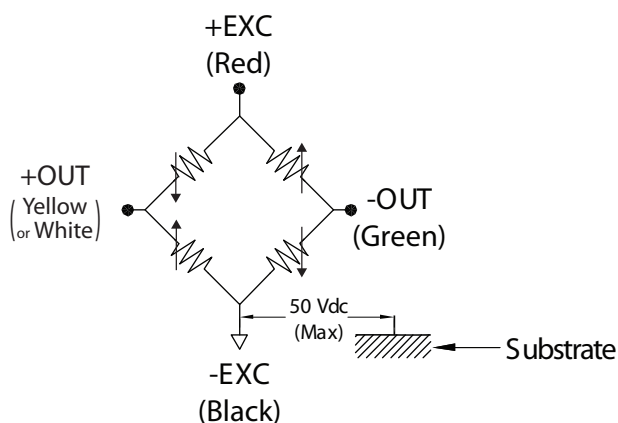
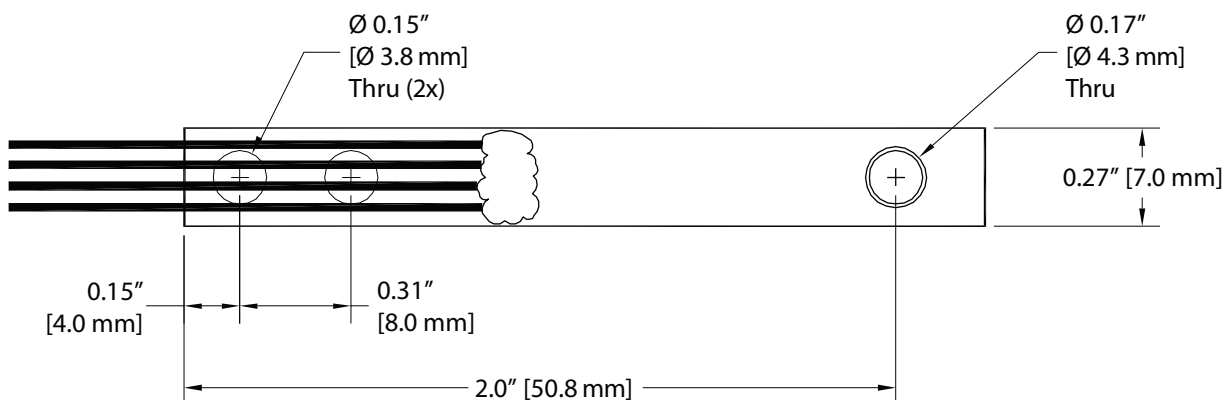
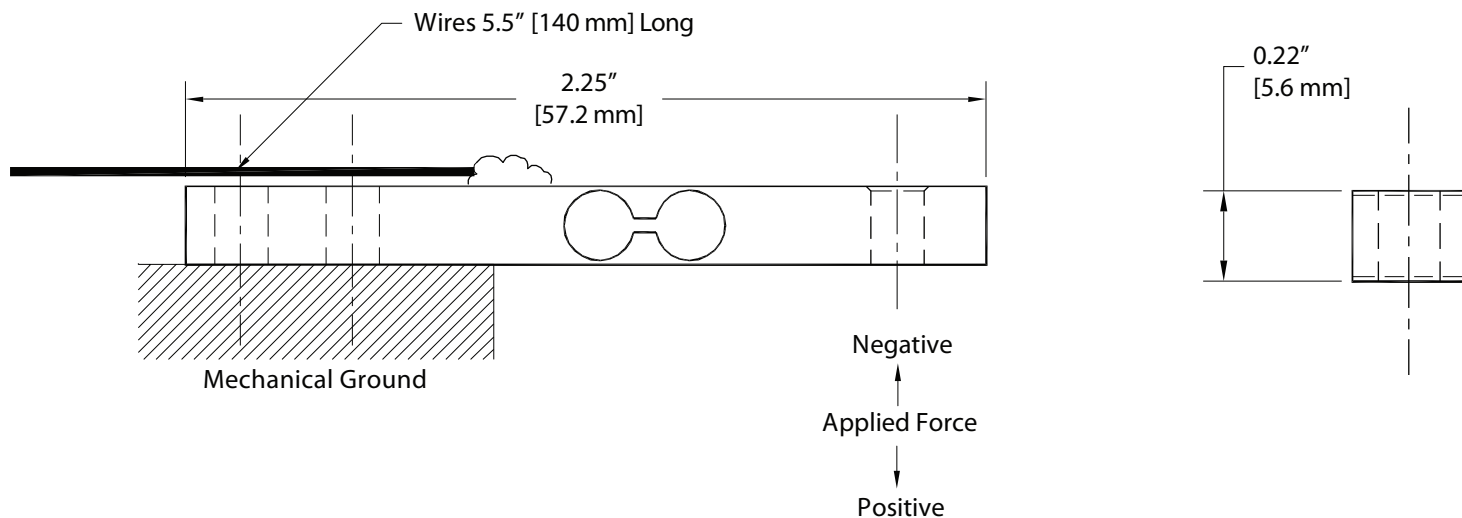
- Compact, Low Profile
- High Long Term Zero Point Stability
- Ideally Suited for OEM Applications
- Low Power Consumption
- Low Hysteresis

## Applications:

- Medical Instrumentation
- Force Displacement
- Acceleration Measurement
- Battery Powered Equipment
- Robotics
- Food Dispensing Equipment



# STRAIN MEASUREMENT DEVICES



Part Name	Description
S220-006	6.0 lb [2.70 kg]
S220-012	12 lb [5.40 kg]

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