Brake Pedal Force Sensor

The Pedal Force sensor is used to evaluate the force requirements of new and existing brake systems. The transducer adapts to pedals in automobiles, trucks, buses, or material handling equipment. It mounts directly to the pedal with cable ties for easy installation. The standard sensor is 400 lbs. capacity.

Specifications

- Overload capacity: 150% of F.S.
- Output at full scale load: 2.0 mV/V nominal
- Non-linearity: 0.10% of F.S.
- Hysteresis: 0.10% of F.S.
- Zero balance: 1% of F.S.
- Compensated temperature: 70 to 170°F
- Useable temperature: -65 to +250°F
- Temperature effect on zero: 0.002% of F.S./°F
- Temperature effect on span: 0.002% of Rdg./°F
- Bridge resistance: 700 Ohms
- Excitation voltage, maximum: 20 Vdc