

Vehicle Sensors

01227

STEERING EFFORT SENSOR

This low profile steering effort sensor is installed inline with the steering column and is virtually unnoticed by the driver. 01227 is used to evaluate steering torque and angle in new and existing steering systems and components in automobiles, trucks, and buses.

SPECIFICATIONS

Capacities..... 300 - 2000 in-lbs.
Output F.S, nominal..... 2.0 mV/V
Torque accuracy..... +/- 0.1% F.S.
Optical encoder resolution (1440 PPR)..... 0.25°/pulse
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..... 350 Ohms
Excitation voltage, maximum..... 20 Vdc
Excitation/Signal transmission..... Slip ring coupled

OPTIONAL FEATURES

- Encoder to analog convertor
- High level analog torque signal output
- Steering column adapter plates
- Replace encoder with 10kohm potentiometer

