

# Vehicle Test Sensors – Air Bag Compatible Steering Effort Sensor [01184]

Digital IR telemetry offers continuous, non-contact torque data from the very low mass, rotating steering sensor to a stationary receiver. This system provides a portable, state-of-the-art steering effort sensor. It can be used in the field, laboratory, or on the test track to measure steering torque and angle requirements.

## FEATURES

- Low system mass
- Airbag compatibility
- No drag from bearings or slip rings
- Quick and easy installation
- Digital telemetry to eliminate signal interference

## OPTIONAL FEATURES

- CAN output, CAN 2.0B standard
- Complete DAQ system with interface software (ref model 90362)

## SPECIFICATIONS

Capacity (in. lbs.) F.S	200, 500, 1000, 1500
Output nom., F.S	+/- 5 volts DC
Signal Coupling	Infrared Transmitter/Receiver
Encoder (optical)	7,200 PPR w/Quadrature
High (H) Resolution (degrees)	.05
Max Range (degrees)	+/- 409
Output at max range (volts)	+/- 5
Low (L) Resolution (degrees)	0.2
Max Range (degrees)	+/- 1638
Output at max range (volts)	+/- 5
Rate (degrees/sec)	2.8
Range (degrees/sec)	+/- 1000
Output at max range (volts)	+/- 5
Mass Moment of Inertia (in lb sec <sup>2</sup> )	0.20