

# Vehicle Sensors

## 01184 Series

### DIGITAL FM TELEMETRY STEERING EFFORT SENSORS

Digital FM 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.

#### SPECIFICATIONS

Capacity (in. lbs.) F.S. ....	200, 500, & 1,000
Output nom., F.S. ....	+/- 5 volts DC
Signal Coupling .....	FM 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> ) .....	.20



#### FEATURES

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

