
Monad Electronics

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Monad Electronics,India

Introduction



Winner of National Award for year 2009-2010 in R&D

Monad Electronics is An ISO 9001:2015 certified company, which has been involved for over 20 year in the business of designing, manufacturing and export of Electronic Industrial products, Testing equipments , sensors and related indicating and controlling devices and allied products related to Data logging & Acquisition.

Monad is specialized in providing high end and high accuracy customized Force Transducers, Multi-Axial Force Transducers and Torque Sensors. Monad is an expert in providing import substitutes of high end Load Cells, Safe Load Indicators, etc

We are supplying to leading industries and government institutions and are also exporting our products to USA, Germany, Belgium, Turkey, Australia, U.A.E., Singapore, Spain, Brazil, New Zealand, Philippines, UK, Croatia and to the African countries.



Monad offers Digital telemetry Steering Effort sensors, which provides continuous, non-contact torque data from very low torque to a wide range, 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

- Light Weight System
- Airbag compatibility
- No drag from bearings or slip rings
- Quick and easy installation
- Digital telemetry to eliminate signal interference
- PC interface to collect data
- Chargeable and Replaceable batteries.



SPECIFICATIONS

| | | |
|-------------------------|--------|--|
| Capacity | | 100, 250, 500, 1000, 2000 N.m |
| Rated Output | | 24 Bit Digital |
| Non linearity | | $\pm 0.1\%$ of RO |
| Non repeatability | | $\pm 0.1\%$ of RO |
| Hysteresis | | $\pm 0.1\%$ of RO |
| Safe overload | | 150% or Rated capacity |
| Power supply | | 9 V DC (Rechargeable Battery) |
| Sampling Rate | | 10 Samples/ Sec |
| Temperature shift Zero | | $\pm 0.01\%$ of RO/C |
| Temperature shift Span | | $\pm 0.02\%$ of Load/C |
| Compensated Temperature | | 0 to 50°C |
| Operating Temperature | | -20°C to + 55°C |
| Maximum Rotation | | Unlimited (Non contact digital Sensor) |
| Insulation resistance | | >2000M Ω |
| Battery | | 12 V / 9V |
| Construction material | Sensor | Alloy steel |
| | Body | Aluminum |
| Maximum RPM | | 1200 |
| Sensor Sealing | | IP67 |

