
Monad Electronics

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Introduction



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

Monad Electronics is An ISO 9001:2000 certified company, which has over the last 13 years been involved in the business of Exporting, designing & manufacturing, Electronics Industrial products, Testing equipments, sensors and related indicating and controlling devices and allied products related to Data logging & Acquisition.

We are specialized in providing consultancy for itemized engineering Test ring and Projects. We are also interested in taking - up the project development, recommending and mfg. sensing and related components, service providing in installation & commissioning.

We are in this field from last 13 years and also Exporting our products to USA, Germany, Belgium, Turkey, Australia, UAE and African countries. We have good track record of import substitute high end equipment development and supplying to leading industries and government institutes.



Monad's Wireless Torque Sensors are utilized in applications where conventional torque transducers are not practical due to high shaft speeds, vibration, and harsh environments. These factors play major problems for conventional foot-mounted rotary torque transducers with bearings and slip rings.

The use of RF telemetry to transfer data makes our wireless torque sensor highly reliable and durable. Batteries are used to provide energy to the rotating sensor and transmitter. These technologies permit a great deal of movement between the rotating sensor and stationary loop antenna with no effect on the signal quality. Minimal alignment between the stationary and rotating components is required.

Telemetry Torque Sensor

MN_RT_HA50



SPECIFICATIONS:-

Rated Output	24 Bit Digital
Non linearity	±0.1% of RO
Non repeatability	±0.1% of RO
Hysteresis	±0.1% of RO
Safe overload	150% or Rated capacity
Power supply	In built Rechargeable Battery 7.2V/2.2 Ah
Sampling Rate	10 Samples/ Sec
Temperature shift Zero	±0.01% of RO/C
Temperature shift Span	±0.02% of Load/C
Compensated Temperature	25 to 50°C
Operating Temperature	00 to 70 °C
Insulation resistance	> 2000 MΩ
Battery Backup	> 12 Hours, when fully charged
RF link carrier frequency	2.4 GHz
RPM Sensor*	Hall effect / Optical
RPM sensor accuracy*	±1RPM

Telemetry Torque Sensor

MN_RT_HA50

Construction material	Sensor	Alloy steel/ Stainless Steel
Maximum RPM		5000 (RPM Class A) 10000 (RPM Class B) 30000 (RPM Class C)
Sensor Sealing		IP65

Software:-

System comes with our Specialized Data logging software to log Torque data in MS excel format in real time with time, date and Graphs plotting facility.