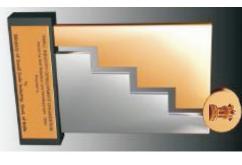


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Introduction



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

products related to Data logging & Acquisition. products, Testing equipments, sensors and related indicating and controlling devices and allied been involved in the business of Exporting, designing & manufacturing, Electronics Industrial Monad Electronics is An ISO 9001:2008 certified company, which has over the last 13 years

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

government institutes. substitute high end equipment development and supplying to leading industries and Belgium, Turkey, Australia, UAE and African countries. We have good track record of import We are in this field from last 15 years and also Exporting our products to USA, Germany,



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

sensor and transmitter. and durable. Batteries or non contact Inductive power are used to provide energy to the rotating The use of Digital telemetry to transfer data makes our wireless torque sensor highly reliable

stationary and rotating components is required. stationary loop antenna with no affect on the signal quality. Minimal alignment between the These technologies permit a great deal of movement between the rotating sensor and



Direct mounting Digital Telemetry Torque Sensor

on existing shafts without machine modification or precision alignment This is a precision 24-bit digital telemetry system designed specifically to measure torque

By mounting strain gages directly on shafts and clamping the system around the shaft,

in-line torque transducers Torque measurements can be done without needing to interrupt existing shaft systems to install

in digital form only, This is one generation ahead of analog telemetry system This is high accuracy digital system, digitization is done on rotation shaft itself and signal transmitted

shaft dimension. MN-TTD-55 is a customized system, supplied according to customer requirements and

System Including

- Full Bridge Metal foil Strain gauge
- Strain gauge pasting kit
- Digitizer cum transmitter with Receiver cum datalogger
- Wiring and clampling material



Features:

- 24 bit resolution digital telemetry
- * Very low noise/ very high accuracy
- * Induction power for continuous use or rechargeable battery
- Analog & Digital out put at receiver
- Two user programmable set point out put at receiver
- In built data logging option at Receiver









SPECIFICATIONS:-

Rated Output
Non linearity
Non repeatability
Hysteresis
Safe overload
Power supply

Sampling Rate
Temperature shift Zero
Temperature shift Span
Compensated Temperature
Operating Temperature
Insulation resistance
Battery Backup
RF link carrier frequency
RPM Sensor*
RPM sensor accuracy*

25 to 50°C 2.4 GHz 00 to 70 °C 10-50 Samples/ Sec ±0.1% of RO ±0.1% of RO ±0.02% of Load/C ±0.01% of RO/C 24 Bit Digital Hall effect / Optical > 12 Hours, when fully charged > 2000 MΩ 150% or Rated capacity ±0.1% of RO Non contact Inductive power In built Rechargeable Battery/

±1 or 8 RPM

Direct mounting DigitalTelemetry Torque Sensor

MN-TTD-55

Construction material

Maximum RPM

Sensor

5000 (RPM Class A) 10000 (RPM Class B) 30000 (RPM Class C)

Alloy steel/ Stainless Steel

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.

