

# Monad Electronics

G1-805, Sitapura Industrial Area,

Tonk Road, Jaipur-302022

Phone:- +91-141-2771119, Fax:-+91-141-2550005

Website:- [www.monadindia.com](http://www.monadindia.com), [www.monadelectronics.com](http://www.monadelectronics.com)

Email:- [mail@monadindia.com](mailto:mail@monadindia.com), [monadindia@yahoo.com](mailto:monadindia@yahoo.com)



**Monad Electronics, India**

# 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.



## Reaction Torque Sensor

MN\_ST\_XXXX

Monad's Reaction/Static Torque Sensors have been designed for measurement of Direct Torque, and is particularly suited for Reasearch, testing, Calibration, Torque feed back control and Over Torque protection.

The Torque sensor provided with integral, robust MIL grade connector for quick & easy connection. We have quite wide range of standard models like Flange type, Key way type, Square drive, Spline type, Clamp on type and other style or ranges can be designed specifically to meet a particular applications requirement.

It is constructed from electroless nickel plated tool steel for harsh industrial applications.

It is compensated for axial and side loads for very good linearity and low hysteresis. .



### Features

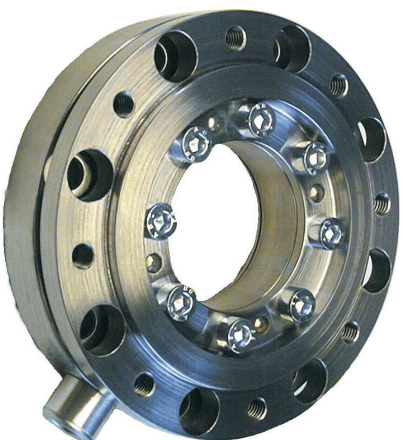
- Very compact and rugged for heavy duty applications.
- Compensated for axial and bending moments for good accuracy.
- Sensor is sealed for IP 65-IP67 degree of environmental class.
- Can be supplied as per customers required size and capacity.
- Quite a Wide range of capacities 0.1 N.m to 10000 KN.m
- Accuracy class available 1% to 0.01 % FSO

### Applications

- Actuator/valve/electrical tool testing
- Axle/shaft torsion test
- Bearing friction measuring
- Testing of starters/slip rings/brushes/clutches/brakes
- Electric/hydraulic/pneumatic motors testing
- Alternators/pumps/gas, diesel, turbine engines testing
- Automobile testing of drive shaft and crank shaft torque
- Defence, Aerospace, R&D Establishments, Offshore test rigs, Automotive, machine tools, electrical and engineering industries.

# Reaction Torque Sensor

MN\_ST\_XXXX



## Reaction Torque Sensor

MN\_ST\_XXXX

### SPECIFICATIONS:-

Rated Output	2mv/V
Safe Over Load	150% of RO
Zero Balance	+0.05% of RO
Excitation	10 V DC maximum
Non Linearity	±0.02% of RO
Non Repeatability	±0.02% of RO
Hysteresis	±0.05% of RO
Temperature shift Zero	±0.01% of RO
Temperature shift Span	±0.02% of RO
Compensated Temperature	25 - 50 °C/ 0 - 60°C
Operating Temperature	00 to 50 °C / -20 - 80°C
Output Resistance	350/700/1000 Ohms nom.
Coupling	Flange/Keyway/ Square Drive



## Reaction Torque Sensor

MN\_ST\_XXXX

Construction material

Sensor

Alloy steel/ Stainless Steel/ Aluminum Alloy

Sensor Sealing

IP65/IP67, IP 68 also available on some models



**Monad Electronics, India**