

# 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)

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



# 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.

The Monad's compression Load cell is designed as the ultimate solution for very high loads. Even at maximum load the life of the compact sensors are extremely high due to the overload capacity of up to 1.5x the measuring range and very low deflection.

Thanks to the proven and tested strain-gauge technology for providing reliable and exact measurement results

MN-TC5 load cells are an integral part of the load testing machine , Automation of Pressing machines & materials testing machines.

The proprietary design, manufacturing and quality control are done with customer applications in mind. Single point calibration makes them easy-to-use. MN-TC5 load cells are tested for accuracy and repeatability on a calibration apparatus traceable to international standards & most extreme environmental conditions

### FEATURES

- # Very Small In Size
- # High Strengths Die steel construction
- # High Cycle Life > 100 million cycles
- # Strain gauge technology
- # Light Weight
- # Accessories and related instruments available



## SPECIFICATIONS:-

Rated Output	2mV/V
Non Linearity	$\pm 0.5\%$ of R.O.
Hysteresis	$\pm 0.5\%$ of R.O.
Non Repeatability	$\pm 0.1\%$ of R.O.
Excitation Voltage	Max. : 10 Volt
Bridge Resistance	350 nom.
Safe Over Load	150% of R.O.
Material	Die Steel
Operating Temperature	-10°C to 50°C
Compensated Temperature	0°C to 50°C
Temperature Shift Zero	$\pm 0.02\%$ of R.O./°C
Temperature Shift Span	$\pm 0.02\%$ of R.O./°C
IP Rating	IP67