
Monad Electronics

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Introduction



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

Monad Electronics is An ISO 9001:2015 certified company, which has over the last 18 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 Customized High End Transducers based on Strain gauge, Piezo resistive. Piezo electric Principles.Ou Range Includes Load cells, Torque sensors, Acceleration sensors and products-systems based on these transducers

We are in Business from last 20 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.

SHACKLE TYPE TENSION LOAD CELL

Monad manufacture various types of Load cells for the tension applications. Tension load cells are for used for the measurement of load, tension, force, weighing during lifting, load testing and overload prevention.

During the past 17 years, Monad's load cells and overload detectors have gained international recognition for their high quality, reliability, compact dimensions & unique features which ensure the user's safety and convenience.

The best raw materials and components together with the highest standards of manufacturing are matched to Monad's leading technology.

All Monad products are produced to nationally and internationally recognized standards.



SHACKLE TYPE TENSION LOAD CELL

Monad's shackle type Load Cell are Clevis Pin Type Load cells integrated With D-Shackles to make it a unique Load cell System to fit in the requirement of Lifting and Rigging Industry. its rugged construction and long life cycles, easy installation and hassle free system makes it perfect for the industries and construction sites.

Integrated load shackle systems are installed in some of the harshest and extreme conditions to measure tensile (or tension) forces such as those exerted from loads generated in heavy and other plant lifting, rigging, pulling and weighing systems.

- # Available With in Built Amplifier 4-20 mA O/P
- # Available with Wireless connectivity



SHACKLE TYPE TENSION LOAD CELL

Features And Benefits:-

- * Compact Size
- * High Accuracy
- * Light Weight
- * Tare Facility
- * Peak Hold
- * Rugged Construction
- * Clevis Pin Type Load cell
- * High Over Load Capacity
- * Capacity Range 100, 500, 1000, 5000 Kg, 10T, 20T & 50T

Applications:-

- * Cranes



SHACKLE TYPE TENSION LOAD CELL

SPECIFICATIONS

Rated load (R.L.)	100, 500, 1000, 5000 kg 10 T, 20T, 30T, 50T, 100T
Accuracy	$\pm 0.1\%$ of R.O
Non Linearity	$\pm 0.05\%$ of R.O.
Non Repeatability	$\pm 0.02\%$ of R.O.
Overload safe	150*% of R.L.
ultimate	300*% of R.L.
Side load safe	100*% of R.L.
Input voltage recommended	10V DC
maximum	15 V DC
Input resistance	382 ± 3 ohm
Output resistance	350 ± 3 ohm
Zero balance	$\pm 0.01\%$ Of R.O.
Temperature range	-10°C to +50°C
Temperature effect on output	$\pm 0.01\%$ of Output/°C
on zero balance	$\pm 0.005\%$ of R.O./°C
Insulation resistance at 200 V DC	500M @500 V DC
Material	Stainless Steel / Die Steel
Degree of protection	IP67

CLEVIS PIN TYPE LOAD CELL FOR SHACKLE TYPE SYSTEM

