
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 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.

FATIGUE RATED COMPRESSION LOAD CELL

The low profile Fatigue Rated compression-Tension Load cell is designed as the ultimate solution for some difficult applications with critical height for safety reasons.

The shear web design provides excellent performance even when the side force inevitably exists in normal operations. The typical example for side force resistance is the applications in motor truck scales. Load cell is constructed of alloy steel and fully potted with special chemical compounds to IP67 providing excellent protection against moisture and humidity.

APPLICATIONS

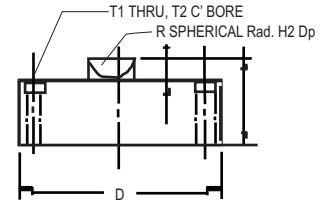
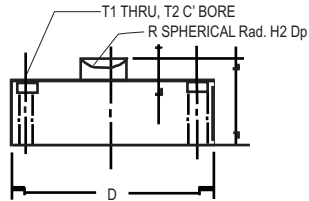
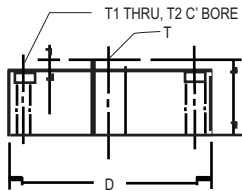
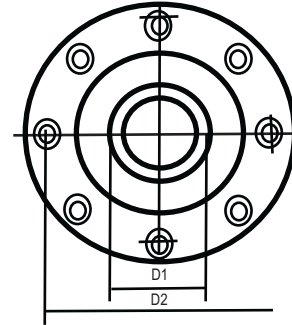
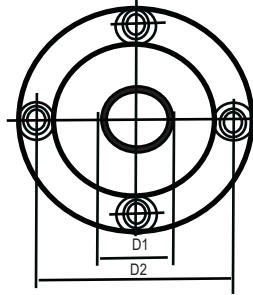
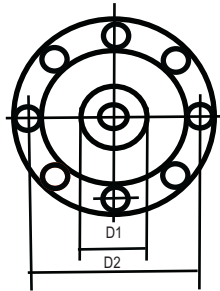
- Truck / Rail scales
- Silo / Hopper / Tank weighing
- Universal Material Tester
- Tensile / Pulling Force

FEATURES

- Capacities: 5t, 10t, 25t, 50t, 100t,250t,300t
- Electroless nickel plated alloy tool steel
- Compact size with low profile
- Stainless Steel available
- Surge protection optional for 5K-100Klb

FATIGUE RATED COMPRESSION LOAD CELL





PARAMETER	VALUE	UNIT
Rated Output-R.o.	2.0	\pm mV/V
Rated Output Tolerance	1.0	\pm mV/V
Zero balance	1	\pm mV/V
Non Linearity	0.015	\pm % of rated output
Hysteresis	0.015	\pm % of rated output
Non- repeatability	0.02	\pm % of rated output
Creep Error (20 minutes)	0.030	\pm % of rated output
Zero Return (20 miutes)	0.030	\pm % of applied Load
Temperature Effect On min. Dead Load Output	0.0026	\pm % of rated output/C
Temperature effect on Sensivity	0.0015	\pm % of Applied Load/C
Temperature Range, Compensated	-10 to +40	$^{\circ}$ C
Operating Temperature Range	-20 to +60	$^{\circ}$ C
Maximum Safe Overload	150	% of R.C.
Ultimate Overload	200	% of R.C.
Excitation, recommended	10	Vdc or Vac rms
Excitation, maximum	15	Vdc or Vac rms
Input Impedance	770 \pm 10	ohms
Output impedance	700 \pm 5	ohms
Insulation Resistance	>5000	mega-ohms
Construction	Anodised Alluminium	
Environmental protection	IP 67	