

## MULTI-AXIAL LOAD CELL

The ME-6XL is A High quality Multi axial Load Cell to provide a low-profile solution for high capacity. Constructed of Space Grade SS and is fully potted with special chemical compounds to IP67 providing excellent protection against moisture and humidity.



Measure both Force and Torque  
High Accuracy Both Bridges  
Low Crosstalk  
Low Creep

# FEATURES

- Ideally suited for Multi axial measurement , Actuator , Wind tunnel testing, Tool testing.
- Simple in design, meeting IP-67
- Special screened / FRLS cable used
- Easy to install & simple electrical connections

## **Salient Features:-**

- # Easy to install in limited space
- # Modular design for easy maintenance.
- # Lift-off Protection.
- # Permanent Protection against Load Cell Damage
- # Wide temperature range
- # Resistant against vibration
- # Simplifies Load Cell installation.
- # Space grade Stain less Steel Load Cell.



## Technical Specifications:-

### Axial Force

### Torque

Nonlinearity, % R.O.	+/-0.04	+/-0.07
Hysteresis, % R.O.	+/-0.04	+/-0.05
Nonrepeatability, % R.O.	+/-0.02	+/-0.05
Creep, % in 20 minutes	+/-0.025	+/-0.025
Zero Balance, % R.O.	+/-2.0	+/-2.0
Range, Compensated, °C	+25 to +50 / 0 to 250	+25 to +50 / 0 to 250
Range, Operating, °C	0 to +50 / -20 to +350	0 to +50 / -20 to +350
Effect on Sensitivity, % Rdg/35°C	+/-0.08	+/-0.08
Effect on Zero, % R.O./35°C	+/-0.15	+/-0.15
Rated Output, mV/V, Nominal	2/1	1.5/1.8
Excitation Voltage, VDC	10	10
Input Resistance, Ohms	390/740	390/740
Output Resistance, Ohms	350/700	350/700
Insulation Resistance, Megohm	5000	5000
Safe Overload, % R.O.	150	150
Flexure Material	Stainless Steel	Stainless Steel

