



Eye Bolt Load Cell

Tension Eye Bolt Series



Unit shown: M8 double bridge.

FEATURES

- Single or double bridge.
- Protection against hydraulic oils.
- Sealed to IP67.
- Simple to use.

APPLICATIONS

- Test rigs.
- R&D.
- Where there are limited space and unable to fit a traditional load cell.

PARAMETER		UNITS
Rated Capacities	Size to suit	lbs
Rated Output	Dependent on bolt diameter and load	MV/V
Linearity & Repeatability	0.25 – depending on bolt quality	±% of Rated Output
Zero Return after 30 minutes	0.15	±% of Applied Load
Zero Balance	1.5	±% of Rated Output
Temperature Range: Operating	-10 to +80	°C
Temperature Range: Compensated	-10 to +60	
Temperature Effect: On Output	NA – limited space.	±% of Applied Load/°C
Temperature Effect: On zero	0.02	±% of Rated Load/°C
Safe Overload	150	% of Rated Capacity
Ultimate Overload	300	% of Rated Capacity
Excitation: Recommended	10	Volts AC or DC
Excitation: Maximum	15	
Input Impedance	350 nominal	ohm
Output Impedance	350 nominal	ohm
Insulation Impedance	>2000	megaohm
Deflection at Rated Capacity	NA	mm
Weight (approximate) :	NA	kg
Construction	NA	
Environmental Protection	IP67	
Cable	2m 4 core screened	
Connections – Produces a positive signal in compression.	Excitation + Red Excitation – Blue Signal + Green Signal - Yellow	The Screen is not connected to the load cell body.
Document Revision Date	0505	

Installation specification will be dependant on the bolts used and the customers requirement. The unit can be treated as a load cell and therefore detailed calibration can be carried out if required.

There are plenty of options including:

- High temperature range – up to 250 DegC.
- Double bridge for additional backup.
- Fatigue rate bridge.
- Linking to PCM's electronics.

For a full specification and quotation contact the sales office providing the application details and the project expectation.