Series RSL0915
Rod End Tension Load Cell

Standard Features
- Compact High Capacity
- Tension / Compression
- High Strength Tool Steel
- 0.20% Accuracy
- -40° to 120° C Operation
- Environmentally Sealed
- Low Deflection

Standard Specifications

Performance
- Output: 2 mV/V nominal.
- Linearity: 0.20% FSO.
- Hysteresis: 0.15% FSO.
- Repeatability: 0.05% FSO.
- Compensated Temperature Range: 20°C to 76°C.
- Operating Temperature Range: -40°C to 120°C.
- Temperature Effect on Zero: 0.0036% FSO/°C.
- Temperature Effect on Span: 0.0036% Reading/°C.
- Zero Balance: 1% FSO.
- Bridge Resistance: 350 Ohms nominal.

Mechanical Characteristics
- Calibration: 5 Points (0, 50%, 100%, 50%, 0).
- Max. Overload: Tension/Compression. 150% FSO.
- Construction: High strength steel, environmentally sealed.

Electrical Characteristics
- Excitation: 10 Vdc or Vac.
- Excitation Max: 20Vdc or Vac.
- Insulation Resistance: Greater than 5000 megohms at 50 Vdc.
- Electrical Termination: MS3102E-14S-5P.
- Connector Pins: A +EXE, C - SIG, B +SIG, D - EXE, E N/C.
**Baseline Configuration Specs Represented. Modifications Encouraged - See Below**

**Custom Designs Available**

### Dimensions (mm)

![Dimensions Diagram]

**Available Options**

- **Threads**: Metric.
- **Temperature Compensation Ranges**: From -40°C to 200°C.
- **Temperature Operating Ranges**: From -40°C to 200°C.
- **Calibration**: Additional calibration points (in addition to standard 5 points) available (Consult Factory). Special and custom calibration available (Consult Factory).
- **Bridges**: Dual and triple bridges.
- **Material**: Stainless steel.
- **Amplifiers**: Internal or In-Line (Consult Factory).
  - Analog (4-20 mA; 0-5 Vdc; 0-10 Vdc).
  - Digital (RS-232; RS-485; CANbus; MODbus).
- **Calibration Range**: Standardized Outputs.
  - Special Full Scale Range (Example 6000 lbs).
- **Custom Options**: Other unlisted customer requested options welcome.

### Modifications and Warranty

**MODIFICATIONS**: We realize load cell applications vary greatly and as such our designs are flexible. Choice of electrical termination, material compatibility and performance characteristics are a few of the many options available. Specifications on this datasheet represent the standard configuration only. Product and company names listed are trademarks of their respective companies. Specifications subject to change without notice.

**WARRANTY**: RDP warrants that its product shall be free from defective workmanship and/or material for a twelve month period from the date of shipment, provided that RDP’s obligation hereunder shall be limited to correcting any defective material FOB our factory. No allowance will be made for any expenses incurred for correcting any defective workmanship and/or material without written consent by RDP. This warranty is in lieu of all other warranties expressed or implied.

Due to the nature of technology, changes are inevitable. For latest technical specifications, see our website.