

COIL TUBING

Oil Field Load Cell

Coil Tubing

Standard Features

- Low Profile Design
- Tension/Compression
- Intrinsically safe
- CSA / ATEX approved
- 4-20 mA output
- Welded Stainless Steel
- Ranges to 120,000 lbs
- Hermetically Sealed



Standard Specifications

Performance

| | |
|---------------------------------------|--|
| Accuracy | 0.10% BFSL. |
| Output | 4-20 mA. |
| Ranges | 20,000 lbs to 120,000 lbs. |
| Compensation Temperature Range | -40° F to 200° F (-40°C to 95°C). |
| Operating Temperature Range | -65° F to 250° F (-54°C to 120°C). |
| Temperature Effect on Zero | 0.005% FSO/° F (0.009% FSO/° C). |
| Temperature Effect on Span | 0.005% Reading/° F (0.009% Reading/° C). |

Mechanical Characteristics

| | |
|----------------------|--|
| Calibration | 5 Points (0, 50%, 100%, 50%, 0). Tension/Compression. |
| Max. Overload | 150% FSO. |
| Construction | Welded Stainless Steel. |

Electrical Characteristics

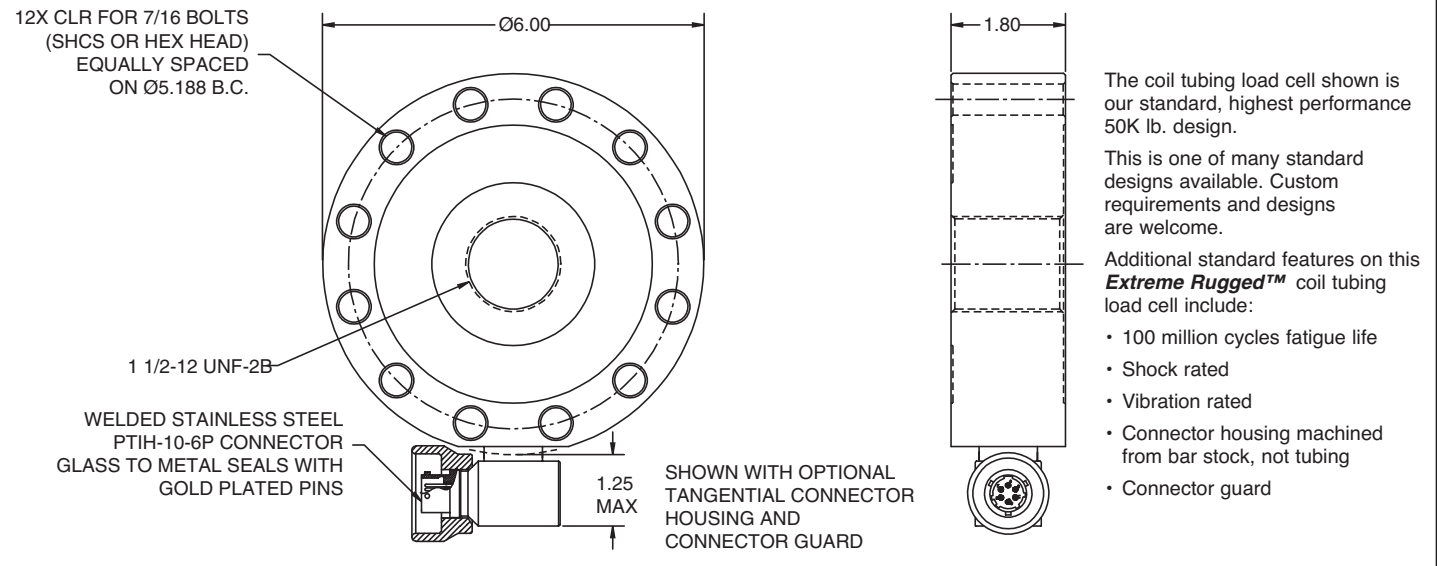
| | |
|-----------------------------------|---|
| Excitation | 9-36 VDC. |
| Output | 4-20 mA. |
| Insulation Resistance | Greater than 100 megohms at 50 VDC. |
| Connector | Hermetic glass to metal sealed connector. |
| Many styles to choose from | Consult factory. |

Your "Application-SolutionSM" Source

Coil Tubing Oil Field Load Cell Specifications

Baseline Configuration Specs Represented.
Modifications Encouraged - See Below

Dimensions (inches)



Certifications



YOM: 05/2007
I.S. Class I, Div 1, Group A,B,C,D,T3C
U_{max}=36Vdc, I_{max}=100mAdc,
C_i=24nF, L_i=2.7uH
Per Installation DWG 217872



II 1 G EEx ia IIC
(T_{amb.} -40 to 85°C)
U_{max}=28Vdc, I_{max}=93mAdc,
C_i=11nF, L_i=0mH
DNV-2003-OSL-ATEX-0259
Per Installation DWG 220218



Available Options

| | |
|---|--|
| Capacity | 20,000 lbs. to 120,000 lbs. |
| Compensated Temperature Range | -65°F up to 250°F. |
| Calibration Points (Tension/Compression) | 10 Points (5 increasing, 5 decreasing). 20 Points (10 increasing, 10 decreasing). Custom increments. Set-ups consistent with customer requirements. |
| Connectors | Many styles to choose from. Consult factory. |
| Connector Orientations | Many orientations to choose from. Consult factory. |
| Threads, Bolt circles, Sizes | Consult factory, will modify to meet your requirements. |
| Custom Options | Other unlisted customer requested options welcome. |

Notes, Modifications, Warranty

NOTES: When using a load cell the user must consider load ratings and fatigue life for long term use and structural integrity. Critical loading applications, especially overhead loading, must always be designed with safety redundant load paths. MODIFICATIONS: We realize load cell applications vary greatly and as such our designs are flexible. Specifications subject to change without notice.

WARRANTY: Stellar Technology 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 Stellar Technology'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 Stellar Technology. 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.