WellAnalytix

POLISHED ROD LOAD CELL

WellAnalytix Load Cells are accurate and very durable sensors that use the latest technology. Hermetically sealed, rugged stainless steel housing, and competitively priced, these load cells are an ideal solution to monitor load on the rod string and well performance for rod lift applications.



ALL WELDED HOUSING

DEPENDABLE QUALITY

HIGH ACCURACY

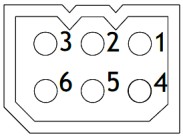
These load cell sensors are constructed to minimizes the adverse effects of impact loading and ensure long-term stability with fatigue up to 50 million cycles. Designed to meet rigorous performance standards required in the harsh environment of an oil well site, sensors are IP-68 and UL rated providing robust and accurate performance. Each load cell is thoroughly tested to meet performance specifications.



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Rated Output (RO)	2.0 ± 0.5% mV/V
Excitation Voltage	5—15 V
Max Capacity (E_{max})	30 or 50 klb
Temp Effect Zero Output	≤ ± 0.027 (≤ ± 0.0015 % RO/ ^{0}F)
Temp Effect Sensitivity	≤ ± 0.036 (≤ ± 0.002%RO/ ^{0}F)
Non-linearity	≤ ± 0.05 %RO
Hysteresis	≤ ± 0.05 %RO
Repeatability	≤ ± 0.02 %RO
Insulation Resistance (100VDC)	≥ 500 MΩ
Zero Balance	≤ ± 1 %RO
Input Resistance	800 ± 50 Ω
Output Resistance	700 ± 0.5% Ω
Safe Load Limit	200 %E_{max}
Operating Temp. Range	-55 to 80 ^{0}C (-14 to 150 ^{0}F)
Protection Class	IP 68
Construction	Stainless Steel
Connector	6-Pin Molex male connector

WIRING CODE



1. Excitation -
2. Not Connected
3. Signal -
4. Excitation +
5. Ground
6. Signal +

KEY FEATURES

- All Welded Stainless Steel
- Harsh Environment Protection
- Fatigue up to 50 million cycles
- Hermetically Sealed, Nitrogen purged
- UL Approved for Zone 1 areas

OPTIONS

- 30K & 50K LB Capacities
- 4-20 mA Output
- Wireless Connectivity

ACCESSORIES



- Load Cell Cables – Armored & Standard in various lengths
- Load Cell Washers—Flat plates & Spherical Washer sets





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