

LUFKIN Wireless Load Cell

Wirelessly transmits accurate polished rod load and position data in realtime.

The cable-free Interface™ Load Cell, developed in collaboration with LUFKIN, delivers accurate data for optimal rod lift control. Polished rod load and position data is transmitted in real time to a controller-mounted receiver base station.

Only available through LUFKIN Automation.

- ✓ **Eliminates damage to signal cable** by providing a wireless alternative.
- ✓ **Increased flexibility** with transmission range of up-to 100 feet (30 meters) that increases placement options.
- ✓ **Rated for Zone 0 hazardous areas** to operate as an intrinsically safe device. (Zone 0, automatically includes zone 1 & 2).
- ✓ **Easy, onsite battery replacement** without the need to remove from polished rod, return to manufacturer or trade out for another unit.
- ✓ **LED battery status monitor** provides an easy-to-read visual indicator to monitor battery life, additionally provides a discreet battery status signal for SCADA.
- ✓ **Seamless integration with existing system** as device is mounted inside controller enclosure.
- ✓ **Pairing system easily connects load cell** with the base station to make independent equipment maintenance and upgrades flexible and easy to perform.



LOAD CELL

WHY THE LUFKIN WIRELESS LOAD CELL?

- Safer installation. Eliminates need for a technician to get inside the pumping unit cranks or near the walking beam to install a load cell cable and position sensor(s)
- Eliminates load cell cable installation and maintenance intensive cable failure-replacement cycle
- Reduced installation time
- Preferred solution for linear pumping units

Intrinsically safe wireless load cell for use with pump off control systems to automate wells utilizing rod lift technology.

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WIRELESS LOAD CELL + POSITION OPTION

The LUFKIN Wireless Load Cell offers optional on-board position sensing capabilities, eliminating the need for hall effect sensors, inclinometers and associated cables. This option accurately measures and monitors both load and position in a single wireless unit.



BASE STATION



LOAD CELL



BATTERY COMPARTMENT

LUFKIN WIRELESS LOAD CELL SPECIFICATIONS

Load Cell

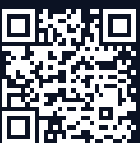
- ATEX Zone 0, 1, and 2 certified
- IP67 ingress protection
- -40° C to +80° C (-40° F to +175° F)
- 3.6V, 19Ah D-cell lithium battery
- Battery can be replaced on site
- Operates in the 2.4GHz frequency band with range up to 100 feet (33 meters)
- Digital output for battery status
- Proprietary Communications Protocol
- Load Accuracy +/- 0.5% of full scale
- Position Accuracy +/- 1% of full stroke length

Base Station

- Input Voltage: 11 – 25VDC
- Power Usage: 1.8W
- Excitation Voltage: 5 or 10VDC
- Operating Range: -40° F to +175° F (-40° C to +80° C)
- Six status LEDs
 - Remote
 - Base
 - Battery
 - Signal Quality
 - Signal Strength
 - Pairing

OPTIMIZING OUTCOMES WITH SEAMLESS SERVICE

At LUFKIN, service is synonymous with solutions. The LUFKIN team is committed to providing the best technical expertise in design, installation, optimization, troubleshooting, and training to maximize automation operational efficiencies and protect critical control equipment.



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