

Wireless O-Shape Loadcell



What's New

The EcoWell Wireless Loadcell adopts the most advanced circuit board management technology and integrates the use of green solar power and lithium battery power to bring a comprehensive wireless solution to the market with minimal maintenance requirement. EcoWell's solar rechargeable battery serves as the primary power supply in the dual power system. The lithium battery is built in as standby power to instantaneously replace the solar rechargeable battery in the event special conditions arise. EcoWell wireless loadcell is adaptable to low working environment temperature (-67°F) outperforming competitive wireless loadcell solutions currently in the market. The enhancements made to the solar panel have significantly improved its capability to continuously work in low light working environments. EcoWell has engineered an advanced signal communication range for the wireless load cell providing the customer a much larger and wider working coverage area due to its upgraded signal transmitting strength.

EcoWell provides a variety of products for the market including wireless loadcell kits, wireless loadcell adapters, and wireless load and position integrated kits to meet the specific needs of customers. Load signal outputs are available both in mV and mA, and true position signal output in mV. EcoWell wireless loadcell products seamlessly integrate with all major automation controller products. Accuracy, reliability, and ease of use, EcoWell.

Features

- Primary Solar Powered with standby D cell battery
- Wireless digital communication
- O-shaped structure for better contact
- Analog load output available both in mV and mA
- True position signal within 1% accuracy
- Seamless integration with existing controller
- Receiving unit and remote unit can be replaced individually

Benefits

- ✓ Suitable for very cold weather, up to -67°F
- ✓ Suitable for low light environment
- ✓ Wide telemetry distance up to 1600 ft
- ✓ Minimal wiring requirement and easy installation
- ✓ More than 60 months continuously operation guaranteed
- ✓ Battery status monitoring

Specifications

Dual Battery System		Solar Panel Rechargeable Battery (Primary) Lithium D Cell Battery (Standby)
Battery Life		Primary: 120 months Standby: 60 months
Load Capacity	lbf	30k & 50k
Load Analog Output	mV	0-10 (5V DC Excitation)
	mA	4-20
Position Analog Output	mV	1.3-4
Precision	%FS	±0.5
Operating Temperature	°F (°C)	-67° ~ 140° (-55° to 60°)
Transmitting Power	dBm	20
Telemetry Distance	Ft (m)	164 -1640 (50 to 500)
Receiving unit power supply	VDC	9- 36
Radio frequency	GHz	2.4 – 2.525
Communication Connection		RS 232
Allowed Overload	%FS	150
Protection		IP 67

