

## FEATURES:

- Wireless transmission of data from existing transducers.
- Up to two transducer inputs per Wireless Transducer Reader.
- Support for various analog inputs (0-5V, 4-20mA, thermistors, thermocouples, dry contacts etc).
- Uses 900MHz LoRa compliant radio communications.
- Battery life up to nine years on 15 minute sample rate.
- Low Battery indicator.
- IP67 enclosure for indoor/outdoor use.
- Configurable sample rates from 3 seconds to 6 hours.
- Standard 110-240VAC or battery powered.
- No new software to install – data can be view through standard browser (requires Green Box Controller).
- FCC, ROHS Compliant.
- Optional connectivity to existing plant or building automation systems via OPC or RESTful API.



**Non-invasively connect your legacy standalone transducers via wireless to your existing PC, data acquisition or automation system so you can capture and store readings**

- Keep your existing reliable transducers (pressure, temperature, particle counter, etc.)
- Eliminate “rounds” to collect readings
- Trend, monitor and alarm transducer readings to catch problems before they occur

The Cypress EnviroSystems Wireless Transducer Reader (WTR) provides an inexpensive solution to connect your existing standalone transducers to your current monitoring and control systems.

Installation and setup are easy. Simply connect any standard analog output (0-5V, 0-10V, 4-20mA) from your existing transducer to the WTR. Once the WTR is connected, it will transmit the readings wirelessly at a user-configurable update rate.

## KEY PRODUCT SPECIFICATIONS:

<b>Data Inputs:</b>	4-20mA, 0-5V, 0-10V, Thermistor, Thermocouple, Dry Contact
<b>Number of Inputs:</b>	Two
<b>Data Capture Rate:</b>	User selectable from three seconds to six hour sample rate
<b>Wireless Frequency:</b>	902 MHz to 928 MHz LoRa, 2.4 GHz for Bluetooth Low Energy
<b>Wireless Range:</b>	500 to 1,500 ft in typical plant environments
<b>Modulation Method:</b>	FSK, GFSK, and LoRa® Technology modulation
<b>Approvals:</b>	FCC CFR47, Part 15 Subpart C
<b>Power Supply:</b>	Standard 110-240VAC or battery powered (one C-size battery, type ER26500)
<b>Battery Life:</b>	>9 years at 15 minute sample rate
<b>Vibration:</b>	Up to 4G RMS
<b>Humidity:</b>	10-99% RH, non-condensing
<b>Operating Temperature:</b>	-4°F to 158°F (-20°C to 70°C)
<b>Storage Temperature:</b>	-40°F to 176°F (-40°C to 80°C)
<b>Enclosure:</b>	Powder coated ADC-12 die cast aluminum alloy, IP67 rating with glands for cable entry
<b>Dimensions:</b>	9.09" x 4.72" x 2.95" (231 mm x 120 mm x 75 mm)
<b>Weight:</b>	3.5 lbs (1,587 g) including batteries
<b>Antenna Length:</b>	7 inches
<b>Antenna Connector:</b>	Brass
<b>Cable Gland:</b>	Brass

### HEADQUARTERS

6830 via del Oro, Suite 100  
 San Jose, CA 95119  
 +1 800 544-5411  
[www.CypressEnviroSystems.com](http://www.CypressEnviroSystems.com)  
[info@CypressEnviroSystems.com](mailto:info@CypressEnviroSystems.com)

Cypress EnviroSystems and its logo are trademarks of Cypress EnviroSystems, Inc. The name of any other company, products, or services mentioned herein are for identification purposes only and may be trademarks or service marks of or may be copyrighted by their respective holders.