

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 three years on 15 minute sample rate.
- Low Battery indicator.
- Optional IP67 enclosure for indoor/outdoor use.
- One-time calibration and setup.
- 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:

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| Data Inputs: | 4-20mA, 0-5V, 0-10V, Thermistor, Thermocouple, Dry Contact |
| Number of Inputs: | Two |
| Data Capture Rate: | User selectable from three seconds to six hour sample rate |
| Wireless Frequency: | 902 MHz to 928 MHz LoRa, 2.4 GHz for Bluetooth Low Energy |
| Wireless Range: | 500 to 1,500 ft in typical plant environments |
| Modulation Method: | FSK, GFSK, and LoRa® Technology modulation |
| Approvals: | FCC CFR47, Part 15 Subpart C |
| Power Supply: | Standard 110-240VAC or battery powered (two 3V lithium ion batteries, type CR123A) |
| Battery Life: | >1 year at 5 minute sample rate, >3 years at 1 hour sample rate |
| Vibration: | Up to 4G RMS |
| Humidity: | 10-99% RH, non-condensing |
| Operating Temperature: | -4°F to 158°F (-20°C to 70°C) |
| Storage Temperature: | -40°F to 176°F (-40°C to 80°C) |
| Enclosure: | Rugged extruded aluminum industrial chassis (optional IP67 enclosure) |
| Dimensions: | 5.7" x 2.2" x 1.6" (145mm x 57mm x 42mm) |
| Weight: | 0.51 lbs (230g) including batteries |

HEADQUARTERS

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