CYPRESS ENVIROSYSTEMS™

WIRELESS TRANSDUCER READER (WTR-100)

FEATURES

- Wireless transmission of data from existing transducers
- Up to two transducer inputs per Wireless Transducer Reader
- Support for various analog inputs (0-5V, 0-10V and 4-20mA)
- Uses robust and highly optimized industrial DSSS radio and protocol with antenna and frequency diversity
- One-time calibration and setup
- Standard 110-240VAC powered or battery powered
- Wireless data connects seamlessly to Cypress Envirosystems server
- No new software to install - data can be viewed using standard web browser
- FCC, RoHS and ETSI compliant
- Optional NEMA4/IP66 ruggedized enclosure for industrial environments
- Optional connectivity to existing building or plant automation systems via OPC or BACnet

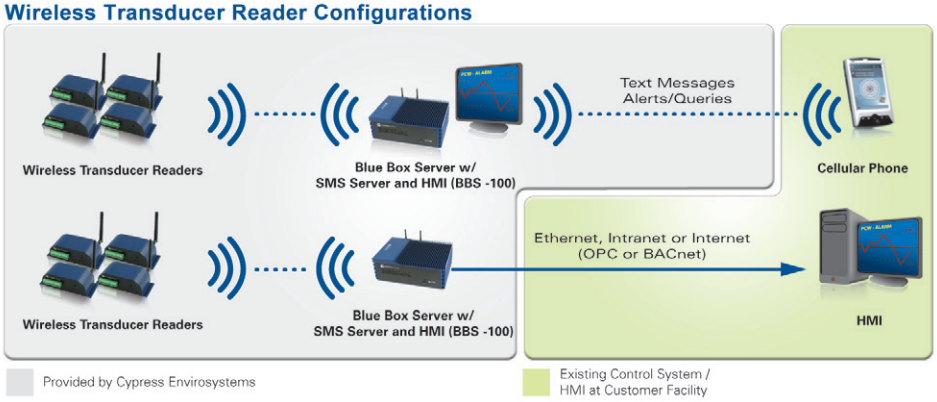
Non-invasively connect your legacy standalone transducers via wireless to your existing PC, data acquisition or automation system so you can capture and store readings

- 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.

Wireless Transducer Reader Configurations



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KEY PRODUCT SPECIFICATIONS

WIRELESS TRANSDUCER READER (WTR-100)

Data Inputs:	0-5V, 0-10V, 4-20mA, optional RS232 or RS485
Number of Inputs:	Up to two transducer inputs per WTR
Data Capture Rate:	User-configurable
Wireless Frequency:	2.4GHz Direct Sequence Spread Spectrum, 100mW peak output
Wireless Range:	Up to 1600ft (488m), high interference immunity, extendable with repeaters
Wireless Protocol:*	Cypress Semiconductor's highly optimized industrial DSSS radio and protocol. Integrates robust security, antenna and frequency diversity, optional encryption and minimal interference with existing wireless systems. (For additional details, please see FAQ at www.cypressenvirosystems.com)
Approvals:	FCC Class B compliant, RoHS, ETSI compliant
Power Supply:	Standard 110-240VAC or battery powered
Battery Life:	> 2 years @ 1 sample per min, >5 years @ 1 sample per hour (approximate)
Humidity:	10-99%RH, non-condensing
Operating Temperature:	-4°F to 158°F (-20°C to 70°C)
Storage Temperature:	-40°F to 185°F (-40°C to 85°C)
Enclosure:	Rugged extruded aluminum industrial chassis (optional NEMA4/IP66 enclosure)
Dimensions:	5.7" x 2.2" x 1.6" (145mm x 57mm x 42mm)
Weight:	0.51 lbs (230g)

*All wireless devices use Cypress Semiconductor's industry-leading frequency agile protocols providing unmatched interference immunity and co-location capabilities.

OUR FAMILY OF PRODUCTS:

WIRELESS PNEUMATIC THERMOSTAT (WPT)	WIRELESS GAUGE READER (WGR-100)	WIRELESS STEAM TRAP MONITOR (WSTM-100)	WIRELESS FREEZER MONITOR (WFM-100)	WIRELESS TRANSDUCER READER (WTR-100)	BLUE BOX SERVER (BBS-100)

HEADQUARTERS
198 Champion Court
San Jose, CA 95134
+1 408 943 2800
www.cypressenvirosystems.com
info@cypressenvirosystems.com