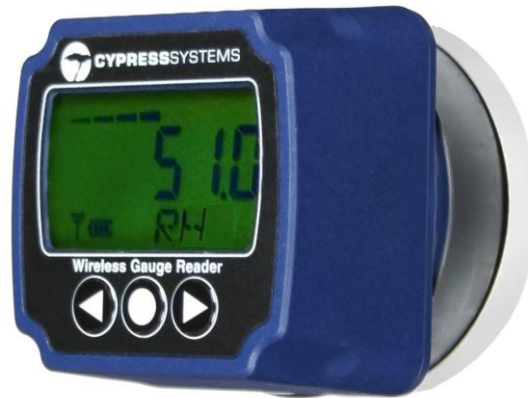**CYPRESS** ENVIROSYSTEMS

FEATURES:

- Wireless sensor for temperature and relative humidity.

- Uses 900MHz LoRa compliant radio communications.

- Uses same wireless infrastructure as Wireless Gauge Reader.

- Battery life up to two years on 15 minute sample rate.

- One-time configuration using Cypress handheld tablet.

- 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, RESTful API, or BACnet/IP.

Wirelessly transmit relative humidity and temperature data to a PC, data acquisition or automation system.

- Monitor temperature and humidity and display on operator console

- Enable notifications when readings exceed limits

- Gather data to enable trend analysis, fault detection, or statistical process control

Just place or secure at any location and, in minutes, wirelessly acquire readings on an existing data acquisition or control system.

KEY PRODUCT SPECIFICATIONS:

Data Capture Rate:	User selectable from five second to 18 hour sample rate
Accuracy:	+/- 0.7°F (0.4°C) for temperature; +/- 3% for relative humidity
Wireless Frequency:	902.000 MHz to 928.000 MHz
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:	Two 3V lithium 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:	Indoor use only
Housing Material:	ABS with UV inhibitors
Dimensions:	2.6" x 2.6" x 1.3"
Weight:	0.33 lbs including batteries

OUR FAMILY OF PRODUCTS:

WIRELESS PNEUMATIC THERMOSTAT (WPT)	WIRELESS STEAM TRAP MONITOR (WSTM)	WIRELESS GAUGE READER (WGR)	WIRELESS TRANSDUCER READER (WTR)	WIRELESS FREEZER MONITOR (WFM)

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