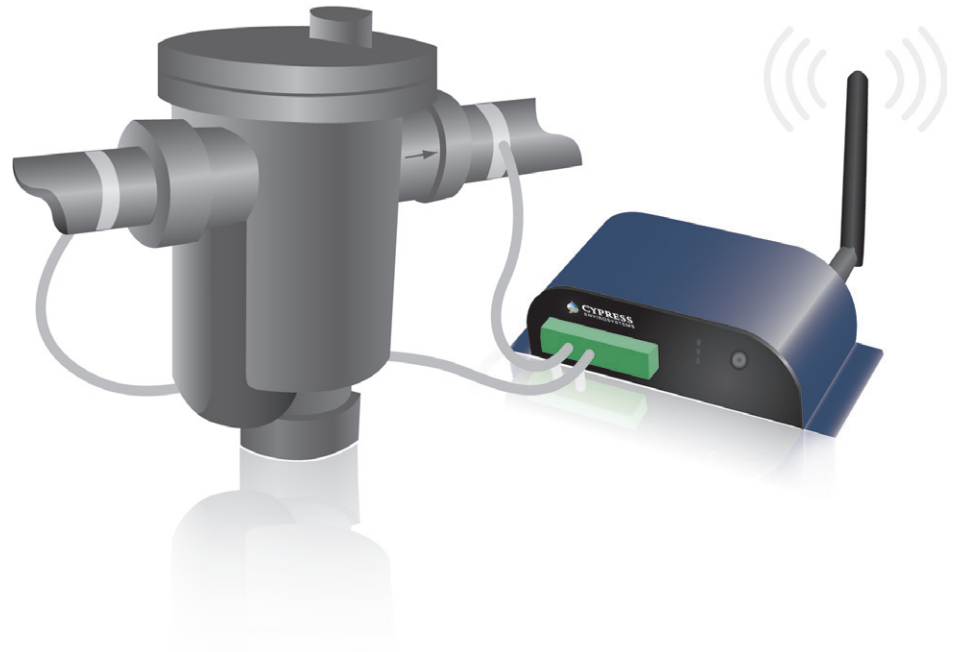


## FEATURES

- Non-invasive monitoring of steam traps
- Remote monitoring of trap health without wiring costs
- No process shutdown needed
- Proven industry method for steam trap failure detection
- One-time calibration and setup
- Simple user interface for failure analysis
- Wireless data seamlessly connects to Cypress EnviroSystems server
- FCC, RoHS and ETSI compliant
- Uses robust and highly optimized industrial DSSS radio and protocol with antenna and frequency diversity
- Optional NEMA4/IP66 enclosure
- Optional connectivity to existing building or plant automation systems via OPC or BACnet



## BENEFITS

- Save energy costs by capturing steam trap failures early
- Eliminate manual steam trap audits
- Prevent pipe damage caused by blocked traps

### Save energy costs by non-invasively monitoring your existing steam traps to remotely detect early failures

Steam trap failures cause you to lose money. Leaking traps increase steam costs and blocked traps can cause pipe damage.

Instead of time-consuming manual audits, the Cypress EnviroSystems Wireless Steam Trap Monitor (WSTM) allows you to remotely monitor steam trap health year round. The WSTM non-invasively attaches to any steam trap in your steam distribution system. Use the Cypress EnviroSystems server to view the overall health of each trap from your PC or existing building or plant automation system.

## KEY PRODUCT SPECIFICATIONS

### WIRELESS STEAM TRAP MONITOR (WSTM-100)

|                                  |  |
|----------------------------------|--|
| <b>Steam Trap Compatibility:</b> | All mechanical steam traps, 1/2" (12.5mm) steam line and up  |
| <b>Max Steam Pressure:</b>       | 800 psi (55 bar)   |
| <b>Data Capture Rate:</b>        | User-configurable  |
| <b>Thermocouple:</b>             | Type K, 32°F to 2012°F (0°C to 1100°C)   |
| <b>Max Thermocouple Length:</b>  | 5ft (1.5m) standard length. Custom lengths available upon request.   |
| <b>Wireless Frequency:</b>       | 2.4GHz Direct Sequence Spread Spectrum, 100mW peak output  |
| <b>Wireless Range:</b>           | Up to 1600 ft (488 m), high interference immunity, extendable with repeaters   |
| <b>Wireless Protocol:*</b>       | 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 <a href="http://www.cypressenvirosystems.com">www.cypressenvirosystems.com</a> ) |
| <b>Approvals:</b>                | FCC Class B compliant, RoHS, ETSI compliant  |
| <b>Power Supply:</b>             | Two 3V lithium batteries   |
| <b>Battery Life:</b>             | >3 years (approximate)   |
| <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 185°F (-40°C to 85°C)   |
| <b>Enclosure:</b>                | Rugged extruded aluminum industrial chassis (optional NEMA4/IP66 enclosure)  |
| <b>Dimensions:</b>               | 5.7" x 2.2" x 1.6" (145mm x 57mm x 42mm)   |
| <b>Weight:</b>                   | 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:

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

### HEADQUARTERS

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