



## IntelliSensor™ Product Description

The IntelliSensor™ is a cost effective, wireless monitoring system operating on the 802.11 b/g Wi-Fi standard for storing and communicating humidity, temperature, and dewpoint information, among other features. Sensors have built in temperature probes and transmit data wirelessly through any Wi-Fi Infrastructure to our FusionLive™ software, allowing for an easy creation of a centrally managed monitoring application.



## IntelliSensor™ Features

- ▶ Battery powered wireless solution operates via Wi-Fi
- ▶ 802.11 b/g compliant
- ▶ Humidity, temperature, and dewpoint readings
- ▶ Completely wireless (No need for power, data, or sensor cables)
- ▶ Battery lasts up to 3 years
- ▶ Strongest Wi-Fi Transmitter on the market
- ▶ Sensors equipped with data loggers capable of storing up to 1 week-worth of data internally
- ▶ Completely integrated solution with FusionLive™ Software
- ▶ Hardware can be pre-configured at factory (Sensors automatically join network)
- ▶ Firmware can be updated wirelessly (over-the-air)
- ▶ User configurable transmission interval (over-the-air)
- ▶ Conformal coated board for moisture rich operating environments
- ▶ Sensors are factory calibrated

## IntelliSensor™ Specifications

- ▶ Operating temperature of -40 °C to 85 °C
- ▶ Operating humidity of 0 to 100 %, non-condensing
- ▶ Humidity measurement range of 0-100% RH
- ▶ Humidity Accuracy: ± 1.8% RH (10...90% RH)  
± 3.0% RH (0...10% RH)  
± 3.0% RH (90...100% RH)
- ▶ 0.04% RH Humidity resolution
- ▶ 0.01 °C Temperature resolution
- ▶ ± 0.2 °C Temperature accuracy (at 25 °C)  
± 0.5 °C (-40 °C...85 °C)
- ▶ Communication via existing Wi-Fi infrastructure/network
- ▶ Supports DHCP or Static IP
- ▶ WEP, WPA, and WPA2 encryption available

