



Part Number: AD-2005-TH



## AVIDSmartSensor™ Wireless 900 Temperature Humidity Sensor

This sensor is a battery operated 10K thermistor with relative humidity and a microprocessor controlled 900 MHz. FCC certified radio transmitter. An internal reed switch permits a user to activate the sensor with a magnet. There is an on/off switch that allows you to turn the sensor off when not in use.

### Features

- Single chip Temperature Humidity sensor
- Calibration/linearization data stored in sensor
- Integrated 100mw, 900 MHz SSFH radio for long range performance
- 30-Bit unique ID
- Range Indoor: Up to 1300 feet
- Range Outdoor: Up to 1 mile with standard antenna
- Battery lasts up to 2 years at 5 minute transmit intervals
- Very small (3.25" X 3.25" X 1.375") ABS Enclosure
- Complies with part 15 of the FCC rules
- CRC-16 error checked Status, ID and Temperature
- External ¼ wave antenna with RPSMA connector

Parameter	Units
<b>Shelf life with battery installed</b>	10 Years in quiescent mode
<b>Transmission rate</b>	Preprogrammed at factory (5 minutes default)
<b>Shelf life with battery installed</b>	10 Years in quiescent mode
<b>Dimensions (enclosure)</b>	3.25 W X 3.25 H X 1.375 D (inches)
<b>Weight</b>	4.7 oz.
<b>Storage Temperature</b>	-40° to 85° C
<b>Operating Temperature</b>	-40° to 85° C
<b>Temperature Accuracy (@25°C)</b>	+/- .4° C
<b>Humidity Accuracy (20% to 80% RH)</b>	+/- 3%
<b>Battery life with transmissions</b>	Up to 2 years
<b>Battery</b>	(2) 3.6 volt Lithium Thionyl Chloride
<b>Transmission rate</b>	Preprogrammed at factory (5 minutes default)

### AVIDdashboard Integration

Sensor readings are quickly viewed from the dashboard main page by adding a graphical widget to display the level. User defined Alerts can signal support resources to handle any out of control conditions.

Humidity is affecting the rising process please check



Contact  
**AVIDwireless**  
 817-510-5301

[sales1@avidwireless.com](mailto:sales1@avidwireless.com)

[www.avidwireless.com](http://www.avidwireless.com)