



## Wi-Fi Temperature Sensors with Glycol Vials

SensoScientific Wi-Fi transmitters are high speed wireless modules with PEAPv0 enterprise security, capable of collecting, storing and transmitting data wirelessly over a standard 802.11 b/g (Wi-Fi – RF Frequency 2.4 to 2.497 GHz) with TCP protocol. The transmitter passes information to a standard access point which can be accessed by any Wi-Fi-enabled network. Each transmitter monitors against preset conditions that are defined by the user and can provide audio and visual alerts. Additional alerts can be provided through a variety of methods such as SMS, text message, voice, pager, cell phone, fax and e-mail. Information recorded (in °F and °C) to the database is time-stamped and cannot be altered through the user interface.

### Key Features include:

- 📶 Optional on-board LCD to satisfy CDC requirements
- 📶 True embedded Wi-Fi solution
- 📶 Patented Firmware
- 📶 NIST certified Snap-Calibration
- 📶 Ok-push button to force real-time device reading
- 📶 Multi LED for connectivity status
- 📶 In-house ISO17025 Certified Calibration Lab
- 📶 Integrated Glycol Bottle
- 📶 No proprietary software
- 📶 Device independence - no extra hardware
- 📶 Scalability
- 📶 Lowest total cost of ownership
- 📶 Optional A/C power adapter
- 📶 FDA 21 CFR part 11 compliant
- 📶 Validated FIPS Compliant Microsoft® Azure Cloud

## B10-100 Product Specifications

<b>Radio Protocol</b>	IEEE 802.11 b/g compatible 54Mbit/sec
<b>Warranty</b>	1 year warranty
<b>Enterprise Security</b>	PEAPv0 with EAP-MSCHAPv2 (PEAP)
<b>Memory</b>	On-transmitter buffer storage
<b>Alarms</b>	Visual and audio alarm indicators – can be cleared
<b>Mounting</b>	Easy zip tie mount hooks with screw holster wall mount for easy mount & removal Includes water spillage resistance bag
<b>Housing</b>	ABS plastic enclosure with silicon rubber covers on open ports. Removable glycol vial holder 180 degree adjustable antenna
<b>Temperature Range</b>	-40°F to 254.9°F (-40°C to 123.8°C)
<b>Temperature Accuracy</b>	Class A probe: $\pm(0.15+0.002*\text{Temp})^{\circ}\text{C}$ . Example: $\pm 0.15^{\circ}\text{C}$ at $0^{\circ}\text{C}$ Class 1/10 DIN probe: $\pm 1/10*(0.3+0.005*T)^{\circ}\text{C}$ Example: $\pm 0.03^{\circ}\text{C}$ at $0^{\circ}\text{C}$
<b>Ambient Operating Range</b>	-40°F to 167°F (-40°C to 75°C). Up to 95% RH
<b>RF Frequency</b>	2.4 to 2.497 GHz
<b>Power Supply</b>	(4) 3.6V AA Lithium Thionyl (included) Optional - External AC/DC Power Supply – UL certified - Universal Input: 100VAC to 240VAC
<b>Battery Life</b>	Up to 2 years based on standard 20 minute sample rate
<b>Dimensions</b>	Height: 4"3/4 (120 mm) Width: 3" (76mm) - 4" (100mm) with vial Thickness: 1"1/4 top (32mm) & 2"1/8 bottom (54mm)
<b>Sealed Glycol Vial</b>	Used to dampen temperature probe response to door openings and sudden air temperature fluctuations.

## B10-200 Product Specifications

<b>Display</b>	1.8" TFT Color LCD Screen
<b>Radio Protocol</b>	IEEE 802.11 b/g compatible 54Mbit/sec
<b>Warranty</b>	1 year warranty
<b>Enterprise Security</b>	PEAPv0 with EAP-MSCHAPv2 (PEAP)
<b>Memory</b>	On-transmitter buffer storage
<b>Alarms</b>	Visual and audio alarm indicators – can be cleared
<b>Mounting</b>	Easy zip tie mount hooks with screw holster wall mount for easy mount & removal Includes water spillage resistance bag
<b>Housing</b>	ABS plastic enclosure with silicon rubber covers on open ports. Removable glycol vial holder 180 degree adjustable antenna
<b>Temperature Range</b>	-40°F to 254.9°F (-40°C to 123.8°C)
<b>Temperature Accuracy</b>	Class A probe: $\pm(0.15+0.002*Temp)^{\circ}C$ . Example: $\pm 0.15^{\circ}C$ at $0^{\circ}C$ Class 1/10 DIN probe: $\pm 1/10*(0.3+0.005*T)^{\circ}C$ Example: $\pm 0.03^{\circ}C$ at $0^{\circ}C$
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<b>Power Supply</b>	(4) 3.6V AA Lithium Thionyl (included) Optional - External AC/DC Power Supply – UL certified - Universal Input: 100VAC to 240VAC
<b>Battery Life</b>	Up to 2 years based on standard 20 minute sample rate
<b>Dimensions</b>	Height: 4"3/4 (120 mm) Width: 3" (76mm) - 4" (100mm) with vial Thickness: 1"1/4 top (32mm) & 2"1/8 bottom (54mm)
<b>Sealed Glycol Vial</b>	Used to dampen temperature probe response to door openings and sudden air temperature fluctuations.