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 AC power adapter
- FDA 21 CFR part 11 compliant
- Validated FIPS Compliant Microsoft® Azure Cloud
### B10-100 Product Specifications

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<th>Category</th>
<th>Details</th>
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<td><strong>Radio Protocol</strong></td>
<td>IEEE 802.11 b/g compatible 54Mbit/sec</td>
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<td><strong>Warranty</strong></td>
<td>1 year warranty</td>
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<td><strong>Enterprise Security</strong></td>
<td>PEAPv0 with EAP-MSCHAPv2 (PEAP)</td>
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<td><strong>Memory</strong></td>
<td>On-transmitter buffer storage</td>
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<td><strong>Alarms</strong></td>
<td>Visual and audio alarm indicators – can be cleared</td>
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<td><strong>Mounting</strong></td>
<td>Easy zip tie mount hooks with screw holster wall mount for easy mount &amp; removal. Includes water spillage resistance bag</td>
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<td><strong>Housing</strong></td>
<td>ABS plastic enclosure with silicon rubber covers on open ports. Removable glycol vial holder. 180 degree adjustable antenna</td>
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<td><strong>Temperature Range</strong></td>
<td>-40°F to 254.9°F (-40°C to 123.8°C)</td>
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| **Temperature Accuracy**| Class A probe: +/- (0.15 + 0.002 * Temp)°C. Example: +/- 0.15°C at 0°C.  
Class 1/10 DIN probe: +/- 1/10 * (0.3 + 0.005 * T)°C Example: +/- 0.03°C at 0°C |
| **Ambient Operating Range** | -40°F to 167°F (-40°C to 75°C). Up to 95% RH |
| **RF Frequency**       | 2.4 to 2.497 GHz |
| **Power Supply**       | (4) 3.6V AA Lithium Thionyl (included). Optional - External AC/DC Power Supply – UL certified - Universal Input: 100VAC to 240VAC |
| **Battery Life**       | Up to 2 years based on standard 20 minute sample rate |
| **Dimensions**         | Height: 4"3/4 (120 mm)  
Width: 3" (76mm) - 4" (100mm) with vial  
Thickness: 1"1/4 top (32mm) & 2"1/8 bottom (54mm) |
| **Sealed Glycol Vial** | Used to dampen temperature probe response to door openings and sudden air temperature fluctuations. |
B10-200 Product Specifications

- **Display**: 1.8" TFT Color LCD Screen
- **Radio Protocol**: IEEE 802.11 b/g compatible 54Mbit/sec
- **Warranty**: 1 year warranty
- **Enterprise Security**: PEAPv0 with EAP-MSCHAPv2 (PEAP)
- **Memory**: On-transmitter buffer storage
- **Alarms**: Visual and audio alarm indicators – can be cleared
- **Mounting**: Easy zip tie mount hooks with screw holster wall mount for easy mount & removal
- **Housing**: Includes water spillage resistance bag
- **Temperature Range**: -40°F to 254.9°F (-40°C to 123.8°C)
- **Temperature Accuracy**: Class A probe: +/-0.15+(0.002*Temp)°C. Example: +/- 0.15°C at 0°C
  - Class 1/10 DIN probe: +/-1/10*(0.3+0.005*T)°C Example: +/-0.03°C at 0°C
- **Ambient Operating Range**: -40°F to 167°F (-40°C to 75°C). Up to 95% RH
- **RF Frequency**: 2.4 to 2.497 GHz
- **Power Supply**: (4) 3.6V AA Lithium Thionyl (included)
  - Optional - External AC/DC Power Supply – UL certified - Universal Input: 100VAC to 240VAC
- **Battery Life**: Up to 2 years based on standard 20 minute sample rate
- **Dimensions**: Height: 4"3/4 (120 mm)
  - Width: 3" (76mm) - 4" (100mm) with vial
  - Thickness: 1"1/4 top (32mm) & 2"1/8 bottom (54mm)
- **Sealed Glycol Vial**: Used to dampen temperature probe response to door openings and sudden air temperature fluctuations.