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
## B11-100-K201C Product Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Radio Protocol</strong></td>
<td>IEEE 802.11 b/g compatible 54Mbit/sec</td>
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<tr>
<td><strong>Warranty</strong></td>
<td>1 year warranty</td>
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<tr>
<td><strong>Enterprise Security</strong></td>
<td>PEAPv0 with EAP-MSCHAPv2 (PEAP)</td>
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<tr>
<td><strong>Memory</strong></td>
<td>On-transmitter buffer storage</td>
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<tr>
<td><strong>Alarms</strong></td>
<td>Visual and audio alarm indicators – can be cleared</td>
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<tr>
<td><strong>Mounting</strong></td>
<td>Easy zip tie mount hooks with screw holster wall mount for easy mount &amp; removal</td>
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<td></td>
<td>Includes water spillage resistance bag</td>
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<tr>
<td><strong>Housing</strong></td>
<td>ABS plastic enclosure with silicon rubber covers on open ports.</td>
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<td></td>
<td>Removable glycol vial holder</td>
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<tr>
<td></td>
<td>180 degree adjustable antenna</td>
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<tr>
<td><strong>Temperature Range</strong></td>
<td>-40°F to 254.9°F (-40°C to 123.8°C)</td>
</tr>
<tr>
<td><strong>Temperature Accuracy</strong></td>
<td>Class A probe: +/- (0.15+0.002*Temp)°C. Example: +/- 0.15°C at 0°C</td>
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<tr>
<td></td>
<td>Class 1/10 DIN probe: +/- 1/10*(0.3+0.005*T)°C Example: +/-0.03°C at 0°C</td>
</tr>
<tr>
<td><strong>Ambient Operating Range</strong></td>
<td>-40°F to 167°F (-40°C to 75°C). Up to 95% RH</td>
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<tr>
<td><strong>RF Frequency</strong></td>
<td>2.4 to 2.497 GHz</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>(4) 3.6V AA Lithium Thionyl (included)</td>
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<td></td>
<td>Optional - External AC/DC Power Supply – UL certified - Universal Input: 100VAC to 240Vac</td>
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<tr>
<td><strong>Battery Life</strong></td>
<td>Up to 2 years based on standard 20 minute sample rate</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>Height: 4&quot;3/4 (120 mm)</td>
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<tr>
<td></td>
<td>Width: 3&quot; (76mm) - 4&quot; (100mm) with vial</td>
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<tr>
<td></td>
<td>Thickness: 1&quot;1/4 top (32mm) &amp; 2&quot;1/8 bottom (54mm)</td>
</tr>
<tr>
<td><strong>Sealed Glycol Vial</strong></td>
<td>Used to dampen temperature probe response to door openings and sudden air temperature fluctuations.</td>
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</table>
B11-200-K201C Product Specifications

**Display**
1.8” TFT Color LCD Screen

**Radio Protocol**
IEEE 802.11 b/g compatible

**Warranty**
1 year warranty

**Enterprise Security**
PEAPv0 with EAP-MSCHAPv2 (PEAP)

**Speed**
Wi-Fi 802.11 b/g 54Mbit/sec

**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**
ABS plastic enclosure with silicon rubber covers on open ports.
Removable glycol vial holder
180 degree adjustable antenna

**Probe Temperature Range**
-200°C to 200°C (-328°F to 392°F)
Omega probe -200°C to 600°C (-328°F to 1112°F)

**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)
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.