#900 MHz Hardware

**OVERVIEW**

TempTrak™ 900 MHz transmitters pass information wirelessly to the TempTrak application which collects and records data 24/7. The transmitters operate on a 900 MHz frequency-hopping spread spectrum with an open-field range of up to 2,500 ft and a typical interior range of up to 500 ft. Each transmitter is battery operated and monitors against preset conditions that are user-defined within the TempTrak application. Information recorded to the database (°F/C) is time stamped and cannot be altered through the user interface. Transmitters calibrated to NIST standards are available.

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<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
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<tr>
<td>• Bandwidth Range: 902-928 MHz (US), 868-870 MHz (Europe)</td>
<td>• Longer range than Wi-Fi, does not compete with other networks for bandwidth</td>
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<td>• Storage on Intelli-base Buffer during power outages if Buffer and Receiver are on UPS</td>
<td>• Data is buffered and recoverable if network or power fails</td>
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<td>• ABS plastic enclosure</td>
<td>• Durable casing protects inner circuitry</td>
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<td>• Wall-mounting: double sided, high strength tape or screw-mount</td>
<td>• Can be easily transferred to a new location</td>
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<td>• Power: 2/3A Lithium battery, 3V</td>
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<td>• Battery Life: 2.5-3 years</td>
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<td>• 1-year warranty</td>
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**SPECIFICATIONS**

- **#10000 Receiver and Intelli-base Buffer**
  - Attached to network via LAN network port or serially direct to a single-station PC.
  - 200 temperature points at 15 minute intervals for 30 days
  - Can accommodate an unlimited number of transmitters
  - Certifications: RoHS Compliant

- **#10050 US Repeater**
  - Extends the range of the transmitters without installing base station or LAN network
  - Transmits up to 4 miles (open field range)
  - Onboard battery back-up with 24 hours of life
  - Certifications: RoHS Compliant

- **#10071 Internal Temperature/Humidity Transmitter**
  - Temperature Range: -4° to 140°F (-20° to 60°C)
  - Temperature Accuracy: ±0.5°F (±0.3°C) at 77°F (25°C)
  - Relative Humidity Range: 0 to 90%
  - Relative Humidity Accuracy: ±2% (10 to 90%RH)
  - Certifications: RoHS Compliant

- **#10072 External Temperature/Humidity Transmitter**
  - Temperature Range: -4° to 140°F (-20° to 60°C)
  - Temperature Accuracy: ±0.5°F (±0.3°C) at 77°F (25°C)
  - Relative Humidity Range: 0 to 100%
  - Relative Humidity Accuracy: ±2% (10 to 90%RH)
  - Certifications: CE, RoHS Compliant

- **#10080-DT Dual Internal & External Temperature Transmitter**
  - Supports one internal and one external probe
  - Internal Temperature Range: -4° to 140°F (-20° to 60°C)
  - External Temperature Range: -328° to 572°F (-200° to 300°C)
  - Accuracy: ±0.8°F (±0.5°C) internal/±1°F (±0.5°C) external
  - Certifications: CE, RoHS Compliant

- **#10086 Analog Transmitter**
  - Supports two external instruments via terminal blocks
  - Works in conjunction with a digital output device
  - Current: 0-5 volts, 0-10 volts and 4-20 milliamp
  - Certifications: CE, RoHS Compliant

- **#10100 Contact Transmitter**
  - Reed switch activates with magnet
  - Terminal block allows for remote signal activation
  - Certifications: RoHS Compliant

* NIST traceable calibration available

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[Image of various TempTrak devices: Receiver, Intellibase Buffer, Repeater, Analog Transmitter, External Temperature/Humidity Transmitter, Contact Transmitter, Dual Internal & External Temperature Transmitter]