ABS
American BioTech Supply

Ultra Low Temperature Sensor

ABT-WiFi-DL1-86C

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/n (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. 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 or °C to the database is time-stamped and cannot be altered through the user interface.

Key Features

- On-board e-ink display to satisfy CDC requirements
- True embedded Wi-Fi solution
- Device-level certificate
- NIST certified/A2LA Accredited Snap Calibration
- Push button to force real-time device reading
- Multi LED for connectivity status
- In-House ISO17025 certified calibration lab
- Audio and Visual Alerts on Device

- No proprietary software
- Device independence – No extra hardware
- Scalability
- Lowest total cost of ownership
- Dual power – Battery/AC power
- FDA 21 CFR part 11 compliant
- Validated FIPS compliant Microsoft® Azure Cloud

Product Specifications

Radio Protocol	IEEE802.11 b/g/n compatible 54Mbit/sec
Warranty	3 year warranty
Enterprise Security	PEAPv0 with EAP-MSCAPv2 (PEAP)
Memory	On-transmitter buffer storage
Alarms	Visual and audio alarm indicators - can be silenced locally
Mounting	Easy zip tie mount hooks with screw holster wall mount for easy mount & removal
Housing	ABS plastic enclosure with silicon rubber covers and open ports
Ambient Operating Range	32°F to 167°F (0°C to 75°C)
Temperature Measurement Range	-200°C to 200°C
RF Frequency	2.4 to 2.497 GHz
Power Supply	(4) 1.5V AA Lithium Batteries. Any AA 1.5V batteries can be used (lithium or alkaline) Optional - External AC/DC Power Supply - UL certified Universal input: 100Vac to 240Vac
Battery Life	1 year
Dimensions	Height: 4.25" (108mm) Width: 3.88" (98mm) Depth: 1.38" (35mm)
LDAP	Single Sign-on capability
Certificates	Device-level certificate for authentication