

Wi-Fi Humidity Tag for Accurate Monitoring



Monitoring humidity and temperature is vital in areas such as hospital operating rooms, medical supply/storage rooms, food manufacturing units, and other environmentally sensitive areas. By ensuring the correct humidity and temperature levels in a given facility, organizations can prevent the adverse effects of variables that are too high or too low thus improving patient care and complying with safety standards.

The AiRISTA HS1 provides an automated way to measure and monitor the relative humidity and surrounding temperatures. Combined with AiRISTA's sofia RTLS software platform, the solution automatically alerts when the humidity or temperature of the monitored environment goes outside a predefined range. In addition, the AiRISTA RTLS solution provides real-time views and historical reports on the conditions of the monitored environments.

With the local data logging capability, the AiRISTA HS1 provides full humidity and temperature history even for the transportation and storage when network connection may not be available. When the sensor is back in the network coverage area it automatically transmits the logged measurements to the application, which allows checking and alerting for out-of-range conditions.

Benefits

- On-board sensors
- Local data logging capability: No lost data even during network or power outages
- Audible and visual indication on the tag when alarming
- Programmable alarm limits

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| Radio | Wi-Fi Networks: 802.11 b/g/n Wi-Fi Chipset: 802.11g Transmission Power: 16mW Encryption: WEP128, WPA-PSK (TKIP), and WPA2-PSK (AES) |
| Certifications | FCC, CE, and IC Class B compliant |
| Mounting Bracket | Included |
| Dimensions | 140 x 87 x 25.4mm 5.5 x 3.44 x 1.0 in. |
| Weight | 5.0 oz. |
| Humidity Accuracy & Range | Accuracy: 20% to 80% RH: +/-2% Range: 0% to 100% |
| Temperature Accuracy & Range | Accuracy: @25°C +/-2% Range: -40°C to +85°C |
| Storage Temperatures | -40° to 85°C |
| Operating Temperature | -40° to 85°C |
| Battery | Up to v.4 2x 1.5V Lithium AA (FR6) After v.4 2x 3.6V Lithium Thionyl Chloride AA |
| Part Numbers | |
| Humidity Sensor | HS1 |
| Programming Cable | SPC |