

Automated, Real-Time, Wireless Temperature Monitoring and Alerting with TS-c Temperature Sensor

The storage of pharmaceuticals, tissues, organs and other consumables or injectable and biohazard material in refrigerators is critical to hospital operations and patients. If compromised, spoilage of temperature and humidity breaches can cost millions and a single breach can destroy a hospital's reputation, endanger lives and jeopardize long-term research programs. Even with the risks involved, most hospitals still rely on clip-boards to manually document temperature which is labor-intensive and error-prone.

Ensure that blood, tissue, medication and food refrigerators are kept at safe temperatures 24/7 with real-time, wireless temperature monitoring and alerting. Ekahau temperature and humidity sensors are placed inside of refrigerator and operate over Wi-Fi, providing real-time temperatures/humidity levels in Ekahau Vision™ software time-series dashboards. Ekahau sensors along with Ekahau Vision software prevent breaches by texting Ekahau badges and sending email notifications when temperature or humidity approaches or exceeds software-programmed thresholds.



Ekahau's temperature sensing and monitoring solution:

- Ensures patient safety and minimize risk
- Minimizes food, blood, medication and tissue waste and spoilage
- Protects valuable consumables by alerting staff before temperature breaches occur
- Ensures regulatory compliance and documentation without manual logs and human error
- Helps caregivers focus on care activities instead of documentation

Features

- Self-contained – no external probe
- Ideal for transportation uses (blood, food, organs etc.)
- Detachable magnet to force out-of-cycle reporting
- Use Any Wi-Fi Network
- Wireless Configuration
- Battery powered
- Configurable Alarm Utility
- Local LED for Alarm Indication
- Communicates with Industry Standard Access Points
- Temperature sampled every 15 seconds
- Programmable log rates (2 minutes to 1 hour)
- Local data logging capability and retry logic
- Onboard calibration table provides linear output
- Temperature sampled every 15 seconds

Technical Specifications

Radio

63 mw (18dBm) 2.4 GHz 802.11b/g WiFi module
Supports WEP 128 and WPA2-PSK (AES)
Supports DHCP or Static IP
Small data packets (~75 bytes)

Battery

2 x 1.5 vdc Lithium L91
Battery life: Up to 2 years

Certifications

FCC, CE, and IC Class B compliant

Measurement accuracy

Accuracy -10-85 °C (+/-0.5° C)

Physical

Dimensions: 2.52"x2.283"x1.38"
Weight: 3.2 oz.

Environment

Storage Temperature: -40° to 60° C
Operating Temperature: -40° to 60° C

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