

Healthcare's Leading Vaccine Environmental Monitoring Tool

Vaccine Temperature Monitoring Solution

Automatically monitor the temperature of vaccine refrigerators and freezers to protect vaccine inventory and ensure patient safety.

Request a Demo View Solutions Brochure

Individual patients & population health depend on safe and effective vaccines

Many life-saving vaccines, including those for COVID-19, are sensitive to temperatures. Extreme changes can make vaccines ineffective or potentially unsafe. Through a wireless battery-powered sensor, and industry leading software solutions, CenTrak will generate alerts (audible, visual, sms & email) to specified staff members if temperatures begin to deviate from programmed thresholds.

Manual logging can produce slow, inaccurate results

Manual compliance reporting and twice daily temperature logs are inefficient and time consuming tasks. They are also subject to human error, often resulting in inconsistent or incorrect data. The CDC's National Immunization Program recommends that, whenever there is any degree of doubt about the integrity of any vaccine or suspicion that it has been in a suboptimal environment, it should be clearly marked "Do Not Use" and safely discarded.

Automating your vaccine monitoring with CenTrak ensures safety and compliance

CenTrak's automatic temperature and environmental monitoring solution for vaccines enables compliance to CDC recommendations and makes certain that vaccines are stored at the appropriate temperature to avoid product loss or possible infection due to spoilage. Staff receive immediate notifications when temperatures begin approaching set parameters, saving healthcare facilities time and money.

View Client Results

6,000 doses of flu vaccines valued at \$90,000 would have been discarded and repurchased if not for CenTrak.

Protect your vaccines and your patients with an easy and error-proof solution

Schedule a demo of CenTrak's environmental monitoring solution and see how we can help.

Request a Demo

Monitor and maintain optimal vaccine storage temperatures

Protect the safety and efficacy of vaccines with CenTrak's real-time automated temperature monitoring solution for healthcare

Patient Safety

Ensure proper storage to keep vaccines safe for patient use.

Loss Prevention

Eliminate risks for product loss caused by environmental failures.

Regulatory Compliance

Compliant by design, meeting all state, federal and regulatory oversight requirements.

Staff Efficiency

Unlock new efficiencies by eliminating the need for manual temperature checks.

One solution for safe vaccine storage and monitoring

Receive real-time alerts from CenTrak's wireless environmental monitoring system whenever conditions move above or below user-set parameters. CenTrak software offers graph, alert, and report views which enable customers to take corrective actions on sensors, view and analyze data, and quickly pull compliance reports.

- Temperature Sensors

Eliminate manual monitoring

CenTrak's Temperature Sensor enables a cost-effective mechanism to measure the conditions of refrigerators, freezers, coolers, cryogenic tanks, and other storage areas for standard temperature measurements, ultra-low temperatures, and liquid nitrogen fill levels (-200 C to +125 C with select probes). Two ports are available for dual-zone monitoring or single-zone with optional door ajar sensor. The device's built-in LCD display is Vaccines for Children (VFC) complaint and allows for immediate temperature viewing, alarms, and local alert settings.

- Configurable reporting & measurement rates (5 to 60 minutes)

- 30 days of measurement data storage for retrieval in the event of a power or network outage

- 2-year battery life with low-battery alert feature

Request Sensor Samples

The sensor is also used for:

- Clinical Labs

- Pharmacy

- Blood Bank

- Cryogenic Storage

- Food Service

- Real-Time Alerting

Real-time visibility into critical vaccine inventory

Alert notifications are based on sensing value, device status (probe disconnect, door ajar, low battery), and process breakdowns. Real-time alerts and customizable escalation chains enable staff to take

immediate action when conditions fall outside of safe parameters. When an alarm is triggered, the corrective action performed is logged in the system for sensor and alert management. With an integration to Active Directory, notifications can be properly routed based on user permissions and staff scheduling. Quickly configure hundreds of sensors, users, and alerts through a simple import/export tool. Alerts are sent via:

- Email
- SMS/MMS
- Alarm, Lights, Strobes
- Phone Calls

Request a Software Demo

- Regulatory Reporting

Automated compliance reports reduce manual compliance-monitoring needs

The system generates a variety of automated compliance reports and sensor history audit logs, based on individual devices or a customized grouping (i.e., departmental views). Automated environmental monitoring solutions for healthcare eliminate the need for costly manual documentation and the potential for human error.

- FDA 21 Code of Federal Regulations (CFR), Part 11
- Joint Commission
- CDC Storage and Handling of Vaccines
- VFC - Vaccines for Children
- USP 797 - United States Pharmacopeia

Request a Software Demo

- Environmental Monitoring Technology

The right tech for the job

CenTrak's Environmental Monitoring technology for healthcare provides a scalable solution for fully wireless deployments. The environmental monitoring sensors and suite of solutions operate under various network configurations, such as Active UHF (i.e., 900 MHz) and/or Wi-Fi (Cisco CCX, Aruba ACX, UDP) including support for WPA2 Enterprise deployments. Sensors are fully configurable in the field and support over the air firmware upgrades while BLE connectivity allows for simple setup.

Request a Demo

CenTrak technology also supports:

- Asset Tracking & Management
- Clinical Workflow Automation
- Staff and Patient Safety

- NIST Certification Services

Ensure measurement accuracy and regulatory compliance

CenTrak adheres to ISO-17025 quality protocols. Each sensor and probe are NIST certified and documented prior to shipping. Certificates are electronically stored in CenTrak's environmental monitoring software and alerts are provided in advance of re-certification deadlines. NIST services can be completed by CenTrak or one of our certified partners.

Contact Us for NIST Services

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What are you waiting for? Schedule a demo today.

With the industry's most scalable and robust Real-Time Location System (RTLS), CenTrak has helped over 2,000 world-class healthcare facilities increase productivity, streamline workflows, drive higher patient and staff satisfaction, and reduce costs.

First Name \

Last Name \

Email \

Phone Number \

Company Name \

If part of a healthcare network, please also include the facility name

Company Type \

Select an option End-User Partner A&E/Consultant Vendor Other

Questions/Comments

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