Ensuring that medications, vaccines, and other products are maintained under recommended storage conditions is critical. CenTrak’s smarter wireless environmental monitoring solution enables pharmacies to maintain compliance, eliminate product loss, improve patient safety, and increase staff productivity.

**Why Automate?**

Manually recording refrigeration temperatures and conditions can result in inconsistent data and inaccuracy. Automated environmental monitoring systems are easy to use and are customizable, allowing the user to monitor and document a range of information such as temperature, humidity, and other important conditions. At the application-level, users can view refrigeration, receive multiple electronic alert types when units are outside of their monitored threshold, and complete compliance checks remotely 24X7.

The system can generate a variety of useful reports on multiple units, display an example of the report before printing or exporting, and provide alerts such as low battery warnings to prevent transmission interruptions. Customizable alert notifications allow the user to set the parameters and designate the alert method used.

**Compliance Benefits:**

CenTrak is designed to simplify conformity with the following standards:

- FDA 21 Code of Federal Regulations (CFR), Part 11
- USP 797 / 800
- The Joint Commission
- CDC Vaccines Storage and Handling
- NIST Traceable Calibration

Maintaining proper temperature conditions is essential to ensuring that medications and vaccines are safe for patient use. A wireless environmental monitoring solution allows staff to take immediate action when storage conditions fall outside of safe temperatures. By reducing product waste and safeguarding inventory levels, pharmacies can make certain that medication is available when patients need it.

- NIST certified with simple probe exchange for recertification
- Communicates with existing Wi-Fi infrastructure and CenTrak-installed dedicated network
- Customizable reporting rates
- Multiple buffer sizes and materials
- Local visual and audible alerting
- Low power consumption for long battery life
- Collection and onboard storage of data (1 month) even when out of network
- 0.5 °C accuracy
- Covers temperature range from -200 °C to 200 °C
- CenTrak provides BACnet stream for BMS integration

CenTrak’s Environmental Sensor can record conditions at configurable intervals (e.g., 5, 10, or 15 minutes) to ensure that blood is stored at the appropriate temperature.
CenTrak’s wireless temperature and environmental monitoring solution provides healthcare facilities with the ability to leverage one network to ensure all departments meet compliance standards and prevent product loss. Recording and tracking data remotely eliminates the need for manual processes, enabling greater staff efficiency. With CenTrak’s Internet of Things (IoT) sensing solution, healthcare facilities that implement environmental monitoring can easily scale to CenTrak’s other Enterprise Location Services™.

**Compliance Benefits:**
- FDA 21, Code of Federal Regulations (CFR), Part 11
- CAP
- Joint Commission (JCAHO)
- State Board of Health
- AABB
- USP797/800
- CDC Storage & Handling of Vaccines
- Vaccines For Children (VFC) Program
- CLIA
- FACT
- AATB
- ASHRE 170 & 62

**Product Portfolio**

**Environmental / Temperature Sensors**

- Temperature Only Sensor
- Ultra-Low Temperature Sensor
- Liquid Nitrogen Sensor
- CO₂ Incubator Sensor
- Ambient Temperature Humidity Sensor
- Differential Air Pressure Sensor
- LN₂ Probe
- Digital Temperature Probe
- O₂ Sensor

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