



# Continuous, Ultra-Low Temperature Monitoring System For Vaccine Cold-Chain and Vaccine Storage



## Quick and Easy Setup

Wireless sensors are installed in minutes. Automated temperature and humidity readings are captured instantly.



## Actionable Alerts

Receive timely alerts via sms text messages and emails. Set sensor reading thresholds and configure alert settings.



## Enterprise Ready

Industrial grade sensors with low power and long range capabilities for monitoring facilities of any size.



## Security & Privacy

Highest standards of HIPAA-compliant data protection, ensuring end-to-end embedded AES encryption.



## Corrective Action

Quickly document the necessary course of action required to address alerts associated with incidents and workflows.



## Ensure Compliance

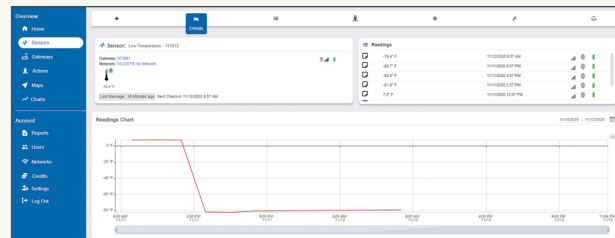
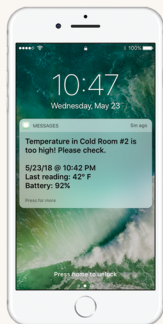
NIST Calibration Certification Available

**Some vaccines for COVID-19 require maintaining storage and cold-chain temperatures at -70°C. Improper storage temperature can cause the vaccine to lose potency and become ineffective.**

## CDC Recommends the following for proper temperature monitoring

- ✓ Keep the data for three years so it can be analyzed for long-term trends and/or recurring problems. Those receiving public vaccine may need to keep records longer as required by state regulations.
- ✓ Use a temperature monitoring system or other appropriate TMD for:
  - Each vaccine storage unit
  - Each transport unit (emergency or non-emergency)
- ✓ Use temperature monitoring system with the following features:
  - Detachable probe that best reflects vaccine temperatures (e.g., a probe buffered with glycol, glass beads, sand, or Teflon®)
  - Alerts for out-of-range temperatures
  - Low-battery indicator





## Wireless Sensor and Gateway

Connect any cold storage unit within minutes.

## Remote Monitoring

Monitor refrigeration systems at any time, from anywhere.

## Compliance Reporting

Maintain compliance with detailed activity reports

## Features

- ◆ Text/Email Alerts when temperature is out of range
- ◆ Continuous Monitoring of temperature
- ◆ Daily low and high temperatures
- ◆ Daily, Weekly, monthly, and custom reports

## Improper Storage of Vaccine can lead to:

- ◆ Loss of Potency.
- ◆ Inadequate immune response.
- ◆ Patients might lose confidence.
- ◆ Cost of revaccination and replacement.

## Talotherm-80™

Operating Range: -200°C to +162°C (-328°F to +325°F)

Accuracy: +/- 0.3°C @ 0°C.

Good for extremely low temperature applications.

## Talotherm™

Temperature Range: -40°C to +125°C (-40°F to +257°F).

Accuracy: +/- 0.3°C @ 0°C.

Humidity Range: 0%RH to 100%RH.

Accuracy: +/- 3%RH.

**TALOSYS Ultra-Low Temperature Monitoring System helps you meet the regulatory requirements of major governing agencies:**



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