

# Lumity™ Wireless Data Logger

Giving healthcare organizations rock-solid vaccine storage monitoring solutions that align with CDC regulations



16971-025

16972-025

Modern vaccination efforts call for complete and accurate vaccine storage monitoring solutions to guarantee vaccine effectiveness and potency. A loss of either can hinder the fight against infectious diseases and hinder the public's trust in healthcare. The Lumity Wireless Data Logger aligns with CDC regulations to give healthcare providers accurate vaccine storage with rapid data access and extensive record keeping.

- 16971-025** Data Logger with 1 solid simulator temperature probe
- 16972-025** Data Logger with 2 solid simulator temperature probes
- 16973-025** Data Logger with 1 armored cryogenic temperature probe
- 16974-025** Data Logger with 2 armored cryogenic temperature probes
- 16975-025** Data Logger with 1 slimline cryogenic temperature probe
- 16976-025** Data Logger with 2 slimline cryogenic temperature probes

## How the Lumity Wireless Data Logger helps support vaccine safety and storage in healthcare

### Aligns with hospital environment requirements for hospital vaccine cold storage

This Wireless Data Logger monitoring equipment uses technology, materials, and transmission methods required for compliance with CDC regulations regarding vaccine storage in healthcare, including Vaccines for Children (VFC) guidelines.

### Eases optimization of surrounding vaccine storage solutions

Each Wireless Data Logger device is self-contained and system-agnostic. No additional infrastructure or specialized equipment are needed.

### Provides easier data retrieval without additional hardware or cloud software

Each solution can be purchased with one or two sensors, and each comes with a 900Mhz transmitter and Bluetooth capabilities so healthcare professionals can gather temperature data with little effort. No WiFi connectivity required.

### Standalone point solutions and compatibility with TempTrak™ ecosystem

The Wireless Data Logger can function separately for vaccine storage or work alongside any TempTrak equipment. TempTrak is an industry leader in enterprise monitoring for over 20 years, offers 24/7 remote monitoring, running on a wide range of systems supported by a broad range of TempTrak hardware.



## Features

The Lumity Wireless Data Logger meets CDC guidelines for vaccine storage monitoring equipment in healthcare:

- A minimum temperature reading accuracy of +/- 1.0°F (0.5°C)
- Display with current, minimum, and maximum temperature
- Audible alarms for out-of-range temperature readings
- A low battery indicator
- Default logging intervals of every 5 minutes
- Data storage for up to 32,000 data readings
- NIST Traceable & ISO17025 Compliant (Certificate Included)

It also includes several features to ease optimization and data gathering, including:

- With Bluetooth and 900Mhz connectivity no WiFi is required
- Monitors two storage areas simultaneously
- Easy-to-download transmitter data
- Vaccine storage report generation
- Over-the-air firmware upgrades
- No additional hardware or public cloud software required

## Temperature Probes

There are two probes designed for use with the Lumity Wireless Data Logger – the standard low-temp probe and the buffered ultra-low temp probe for cryogenic applications. Buffered temperature probes are the most accurate way to measure actual vaccine temperatures and can help avoid unnecessary nuisance alarms. The ultra-low temp probe has a buffered sleeve, which does not leak, evaporate or require MSDS reporting compliance.

### Detachable Probes:

- Standard Temperature Probe
- Buffered Ultra-Low Temperature (Cryogenic) Probe with buffer sleeve / clip

### Standard Temperature Probe

Temperature Range	-51°C to 82°C (-60°F to 180°F)
Temperature Accuracy	+/- 0.2°C (0.4°F) from 0.0°C to 70°C (32°F to 158°F)

### Cryogenic Temperature Probe

Temperature Range	-328° to 311°F (-200° to 155°C)
Temperature Accuracy	±0.7°C (1.3F) at -80°C (-112F)