

CoolTrak365



CoolTrak365 is a lightweight and portable device for tracking temperature and GPS location in real time.

It provides an all-in-one solution for transmitting sensor data to the cloud and reporting alerts, suitable for in-transit and smaller installations where a traditional network controller/gateway setup may be impractical or costly.

CoolTrak365 can communicate directly to the cloud. Each unit can monitor up to 2 separate fridges, freezers or ambient areas.

CoolTrak365 monitors both environment and product temperature in real time.

The sensor has a live LED display, showing temperature, battery and signal strength. It comes with rechargeable battery and power supply/ charger.

Benefits:

- ✓ CoolTrak365 delivers real-time product simulation data.
- ✓ CoolTrak365 data integrates with the CoolCheck stationary monitoring system with all data displayed on the same portal.
- ✓ It is the only system on the market to offer full integration between in transit/ remote and stationary applications.
- ✓ QR code provides for easy device registration.

Applications

In Transit:

- ✓ Pharmaceutical products, medical devices, sensitive raw materials, blood transportation, clinical research samples.

In Situ/ Stationary:

- ✓ Medical fridges, medical freezers, retail pharmacy, doctors' surgeries, dentists' surgeries, health clinics, nursing homes, hospital wards, veterinary practices.

Specification			
Internet Access:	LPWAN - NB-IoT/LTE-M	Data Storage:	30 years.
Location Services:	Built-in GNSS Modem	Local Device Memory Storage:	Capable of storing 2880 readings. 10 days at 5-minute interval reading.
Operating System:	Proprietary Kelsius operating system built on top of Zephyr RTOS.	Radio Range:	Urban (Dense): 1-5 km Suburban: 5-10 km Rural (Open): Up to 15 km
Alarms and Alerts:	Realtime alerts with temperature excursion. Alerts via email, SMS*, push notifications via the Kelsius app, local audible sounder and LED flasher. Self-configurable alarm bands.	Size:	H = 126.3mm, W = 79.4mm, D = 27mm
Management:	Each installation has matching website portal for viewing data and adjusting system settings. Automatic/remote firmware updates.	Weight:	200g
Number of Sensors:	Up to 2 sensors in 2 separate fridge/freezers. Customisable temperature logging frequency.	Temperature Range:	-30°C ~ +85°C
Battery Type:	3.7V 5500mAh LP9051109 Lithium Polymer (Rechargeable)	Accuracy:	±0.2°C
Fully Charged Battery Life:	2 years – Operating with GPS OFF, wakeup 5 minutes. 5 days – Operating with GPS ON. For long term GPS ON functionality, connect device to power supply to remove battery dependency.	Power:	5V via USB-C
Screen:	Live temperature display on LED screen.	Warranty:	10 years. Subject to normal wear & tear and Kelsius annual service.
Data Sampling Interval:	Records data every 5 minutes. Transmits data every 30 minutes.	Regulatory Compliance:	Complies with FDA 21 CFR Part 11 regulations.

* SMS option available at additional charge.