

COLDTRACE TREK

FULL TRANSPARENCY FOR COLD CHAIN PERFORMANCE

ColdTrace Trek is a Bluetooth-based data logger for vaccine storage equipment in health facilities with low connectivity. The GPS-enabled ColdTrace Trek can monitor temperatures in vaccine carriers during transportation, providing visibility into carrier performance by model, and informing best practices for packing and route planning. The logger works with an Android app to transfer data onto a phone or tablet. ColdTrace Trek is the missing piece in ensuring vaccine safety all the way to the last mile.



- * **Strengthen immunization campaigns**
- * **Monitor vaccine transportation**
- * **Get data from areas without connectivity**
- * **Supplement RTM in low-connectivity areas**

DATA LOGGING MODE:

Capacity to leave device unattended to log data for up to 3 months at a time

Configuration Inputs : Journey name and storage interval in app

Data Download from Trek : Download data stored on device via Bluetooth to phone/tablet [see reverse for app specs]

Data Upload from Phone / Tablet : App automatically uploads data to dashboard via available network (2G, 3G, 4G, WiFi)

Data View : App displays current temperature and historical performance immediately

TRANSPORTATION MODE:

Track temperature and GPS coordinates of multiple cold boxes simultaneously

Configuration Inputs : Journey name, storage interval, alarm settings in app

Data Download from Trek : Temperature & GPS recorded by app at storage interval

Data Upload from Phone / Tablet: App automatically uploads data to dashboard every 10 minutes via available network (2G, 3G, 4G, WiFi) during transportation

Data View : App displays current temperature and historical plot immediately

Alarm Notification (visual and audio) : Freezing and hot temperature alerts



SPECIFICATIONS COLDTRACE TREK

HARDWARE SPECIFICATIONS:

Dimensions (l x w x h) : 7cm x 5.5cm x 2.5cm

Weight : 45 grams

Data Collected : Temperature and GPS coordinates

Data Logging Intervals : Customizable, 1 to 60 minute interval

Data Upload : Via tablet or smartphone (2G, 3G, 4G, WiFi)

Temperature Data Storage : Up to 3 months at a time

Sensors : Single, internal temperature sensor

Temperature Data Download : Via Bluetooth to tablet or smartphone

Data Download Range : 10 to 20 meters

Battery : 2 year lifetime, non-replaceable/non-rechargeable lithium battery

Certification : CE Certification; PQS approval in progress

Temperature Range : -30 °C to +55 °C

Temperature Accuracy : ±0.5 °C

Temperature Resolution : 0.1 °C

IP Rating : IP65

Calibration : Traceable to an ISO/IEC 17025 accredited testing laboratory, to NIST/NABL, or to another internationally recognized standards agency available upon request

APP FEATURES:

Smartphone / Tablet OS: Android Kit-Kat or newer

Modes : Transportation and data logging

Customization : Set different threshold and duration alarms when using multiple Treks in one trip

Logger Limit : No limit on data loggers being monitored

Alert : Built-in notification alert and snooze feature

Localization : App available in different languages upon request

DASHBOARD FEATURES:

Data Views : Integrated with existing ColdTrace visualization

Transportation : Data organized by trip and GPS trace viewable on map

SMS / Email Alerts : Highly configurable temperature alerts

Secure Website : Provides full data access only to authorized users

Data Hosting : Cloud storage or in-country

Localization : App available in different languages upon request

Why Choose ColdTrace?

Nexleaf works with public health experts and Ministries of Health to create cost-effective technology and useful data visualizations. Devices in the ColdTrace line are specifically designed for remote areas and rural environments. More than 13,000 ColdTrace devices are improving immunization systems across 7 countries.

