Single Use Temperature Data Logger

Reliable, accurate cold-chain tracking with plug-and-play USB & NFC connectivity and automated PDF reporting.

-30°C to +70°C	16,000 Points	IP67 Waterproof
TEMPERATURE RANGE	MEMORY CAPACITY	PROTECTION CLASS

PRODUCT DESCRIPTION

The Single Use Temperature Data Logger is an essential device for any business that needs to track and monitor temperature-sensitive products. Designed for versatile deployment in warehouses, factories, cold-chain transport, and retail stores, this device ensures product integrity throughout transit. Equipped with a built-in high-precision NTC sensor, LCD display, USB 2.0 interface, NFC capability, and GPS tracking features, it offers seamless integration and remote cloud monitoring.

KEY CAPABILITIES & HIGHLIGHTS

Automatic PDF Reports

Generates encrypted PDF reports instantly upon plugging into a USB port without requiring dedicated software installation.

GPS & Remote Tracking

Enables remote location tracking and cloud data sharing to monitor temperature-sensitive shipments across multiple global locations.

Clear LCD Display

Allows real-time on-site verification of current temperature, logging status, and battery capacity at a glance.

IP67 Waterproof Enclosure

Protected against dust ingress and water immersion, ensuring reliable operation in harsh cold-chain storage conditions.

TARGET APPLICATIONS

Perfect for pharmaceuticals, vaccines, biological samples, fresh produce, frozen foods, chemical storage, and cold-chain transport monitoring across global supply chains.

TECHNICAL SPECIFICATIONS

Temperature Range	-30°C to +70°C
Measurement Accuracy	±0.5°C / 0.9°F (-20°C to +40°C); ±1.0°C / 1.8°F (Others)
Resolution	0.1°C
Sensor Type	Built-in NTC Internal Sensor
Storage Capacity	16,000 Readings (Max)
Storage Temperature	-30°C to +70°C
Data Transport Interface	USB 2.0 / NFC / GPS-enabled
Report Generation	Automatic PDF Report
Power Supply	Built-in CR2450 Lithium Battery
Battery Life	2 Years Shelf / Operating Life
Protection Class	IP67 Waterproof & Dustproof
Display Type	Integrated LCD Screen

DATA TRANSMISSION & WORKFLOW



OPERATIONAL ADVANTAGES

Built-in Alert Notifications

Alerts operators instantly if ambient temperatures exceed set safety thresholds, protecting goods from cold-chain failures.

2-Year Battery Shelf Life

Powered by a high-capacity built-in CR2450 lithium cell for reliable long-term storage and multi-week transport tracking.