

Microthermo Disposable NFC Temperature Datalogger

Part #: NFCMIC



A compact, ultra-secure, and highly economical solution, the LoggerFlex Microthermo Single Use NFC Temperature Datalogger provides end-to-end cold chain visibility. Designed for critical shipments where data integrity, regulatory compliance, and cloud access are essential, this device is ideal for single-use applications.

Featuring a ruggedized design and secure data custody, the Microthermo Datalogger allows data to be securely and immediately uploaded to the LoggerFlex Cloud via an NFC-enabled mobile phone. The system ensures role-based data access and instant cloud transfer for comprehensive analysis and reporting, supporting global collaboration across teams.

Built-in Sensors						
Sensor	Configuration	Function	Min Range	Max Range	Accuracy	Resolution
Temperature	Built-in	Record & Alarm	-20°C -4°F	+70°C +160°F	0.5°C 0.9°F	0.1

Dimensions				Net Weight	
Length		Width		Grams	Oz
72 mm 2 27/32"		49 mm 1 15/16"		9	0.3

Operation	
Feature	Specification
Recording Interval	Fixed every 10 minutes.
Data Capacity	Up to 4000 temperature records.
Recording Duration	Up to 27 days at the fixed 10-minute interval.
Battery Life (Operational/Shelf)	Approximately 3 months from date of commissioning.
On-Device Alarm	None; all alarm analysis and violation reporting handled within LoggerFlex Cloud Application.

Network Interface & Certifications		
Interface	Specification	FCC ID
NFC	Near Field Communication for instant cloud upload via mobile app	

Extra Information

Key Features

- Economical Single-Use: Low unit cost, designed for easy deployment and simplified end-of-life management.
- Ultra-Low Profile & Lightweight: Minimal impact on package space and shipping weight.
- Ruggedized Design: Waterproof and robust for reliable operation in demanding conditions.

- **Secure Data Custody:** Data is securely and immediately uploaded from the logger to the LoggerFlex Cloud via an NFC-enabled mobile phone.
- **Role-Based Data Access:** The mobile phone user who extracts the data (by tapping) can be restricted from viewing the actual records, which are only accessible by authorized cloud account users.
- **Instant Cloud Transfer:** Data is securely transferred to the cloud in just five seconds.
- **Extensive Cloud Reporting:** Comprehensive analysis, graph visualization, and regulatory compliance reporting.
- **Global Collaboration:** Unlimited team sharing and support for 24 languages and all time zones in the cloud application.

Software & Connectivity

- **Communication:** Near Field Communication (NFC).
- **LoggerFlex Mobile App:** Available for Android and iOS devices. Supports English, French, and Spanish languages. Allows for instant NFC upload to the cloud.
- **LoggerFlex Cloud Application Features:**
 - **Data Visualization:** High-resolution zoomable graphs.
 - **Transportation Reports:** Detailed, professional reports for each trip.
 - **Daily Reports:** Automated daily summaries including Minimum, Maximum, and Average temperatures.
 - **Specific Safety Reports:** Compliance-ready reports for food, drug, and vaccine safety.
 - **Peak Point Reports:** Identify critical temperature extreme points.
 - **Collaboration:** Share access with unlimited team members.
 - **Multilingual Cloud Environment:** User profiles support 24 base languages.
 - **Global Access:** Full time zone support.

Security and Workflow

The Microtherm system ensures a secure chain of custody. The data logger is designed to protect your cargo data from unapproved access during its entire journey. The person who uses the mobile app to extract data does not necessarily have access to that data on their device.

The data is securely transferred through the phone to the encrypted cloud, and only anyone with authorized access to that specific cloud account can view and analyze the records, ensuring maximum data integrity.