DATASHEET

LT5GEO-LE-M

LogTag

Distributed by AKRIBIS

LT5GEO CELLULAR DATA LOGGER

LogTag®

LT5GEO-LE

Ultra-Low Temperature Continuous Monitoring Logger

LogTag®

Accurate Real-Time Ultra-Low Monitoring

Ultra-Low Cellular Monitoring

Get a true continuous monitoring solution with the new LT5GEO Ultra-Low Temperature External Probe logger that monitors down to –90 °C (-130 °F). Cellular connectivity provides automatic data uploads and it operates independently from your IT network. Data is stored securely in LogTag® Online cloud.

Environmental

Temperature, Light, Shock, and Location sensors

Global Coverage

Remotely Monitor with Global 4G/5G Cellular Connectivity

Real Time Alerts

Instant Phone Call, Email, SMS, or WhatsApp Alerts*

Flight Mode

Automatic Flight Mode

LT5GEO External Probe

Designed for vaccines and biological samples requiring ultra-low temperature storage and dry ice transport, the LT5GEO Ultra-Low External Probe delivers continuous visibility, accuracy and alerts down to -90 °C (-130 °F).

Get instant, **real-time alerts** the moment an alarm is triggered, keeping you ahead of issues with instant insight into environmental conditions.

All data is automatically uploaded to LogTag® Online Cloud, giving your team **live access, reports, and alerts** from anywhere in the world.

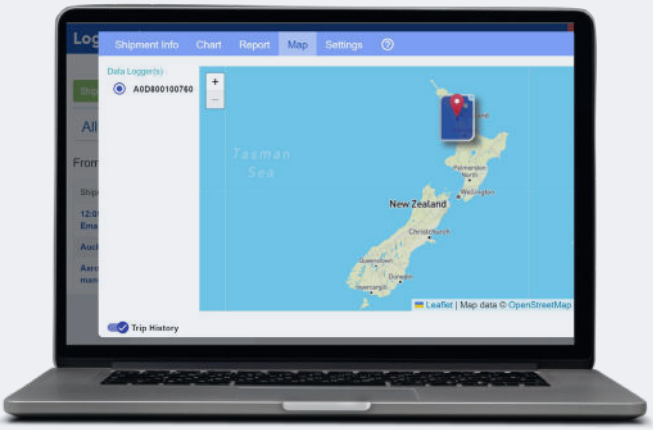
No manual downloads, no delays.

Order Codes:

Single-Use:
LT5GEO-LE-S

Multi-Use:
LT5GEO-LE-M

Standard Temperature External Probe Models Available



designed for 21CFRPart11

*Phone call, SMS, or WhatsApp alerts require paid LogTag® Online subscription and notification units.

AKRIBIS · www.akribis.info · contacts@akribis.info

LogTag® LT5GEO-LE

Features:

Dry Ice Insight: Ensur es accuracy and stability in environments down to -90 °C

Instant Alerts: Get immediately notified via SMS, phone call, email, or WhatsApp during any excursion

Multi-Sensor: The LT5GEO monitors Temperature, Light, Shock and Geo Location for complete insight

Cellular Connectivity: A void involving your IT team as it works independently of IT network for extra security

Light and Shock sensors: Shows how your product was handled and protect the product integrity.

Geo Location: Gain remote visibility into your cold chain network, from storage facility to transportation

LogTag® Online: Securely store data, monitor devices, automatically uploads data and generate reports anytime, anywhere with LogTag® Online

Auto Flight Mode: Smart altitude detection enables automatic flight mode for hassle-free compliance

Available in single use and multi use options

Automatic Upload to LogTag® Online Cloud

The LT5GEO automatically transmits environmental and geo-location data to LogTag® Online via the cellular connection, delivering live insight without the need for manual downloads or onsite access.

All uploaded data is securely and automatically available for remote viewing, giving your team full visibility across shipments, storage sites, and global operations.

- Remote Global Team Access
- Custom Dashboards
- Automated Reports
- Smart Notifications
- User Permissions

LogTag® LT5GEO-LE

LogTag® LT5GEO Range:

APPLICATIONS

Vaccines

Clinical Centers

Dry Ice Storage and Transportation

Specialty Materials

Life Science Laboratory

Warehousing

LogTag® LT5GEO-LE

SPECIFICATIONS

Product Model	LT5GEO-LE-S (Single-use) LT5GEO-LE-M (Multi-use)
Connectivity	LTE Cat M1/EGPRS
Sensor Measurement Range	-90 °C to +40 °C (-130 °F to +104 °F)
Operating Temperature Range	-30 °C to +70 °C (-22 °F to +158 °F)
Storage Temperature Range	0 °C to +40 °C (+32 °F to +104 °F)
Rated Temperature Reading Accuracy	Better than ±0.5 °C for -20 °C to +10 °C (-4 °F to +50 °F) Better than ±0.7 °C for -50 °C to -20 °C (-58 °F to -4 °F) Better than ±0.7 °C for +10 °C to +30 °C (+50 °F to +86 °F) Better than ±1.0°C for -80 °C to -50 °C (-112 °F to -58 °F) Better than ±1.0°C for +30 °C to +40 °C (+86 °F to +104 °F) Better than ±1.8 °C for -90 °C to -80 °C (-130 °F to -112 °F) Actual performance is typically much better than the rated values Accuracy figures can be improved by recalibration
Light Sensor Range	0 – 120,000 lux
Shock Sensor Measuring Range	0-16g
Shock Sensor Resolution	0.1g 1 m/s^2
Shock Sensor Sampling Rate	25Hz
Recording Capacity	16,320 local logger memory. 1 million recordings with LogTag® Online
Transmission Interval	20 minutes-24 hours, depending on trip duration set through LogTag® Online Uploads immediately when alarm is triggered, regardless of transmission interval
Sampling Interval	Configurable from 1 minute to 18 hours
Logging Start Options	Push button start, with configurable delay, from 1 minute to 72 hours
Environmental	IP61
Software	LogTag® Online and (optional) LogTag® Mobile App
Battery Type	Non Lithium Rechargeable Nickle Metal Hydride (NiMH)
Battery Life	Transmission interval adjusts according to trip duration set in LogTag® Online Maximum Trip length 90 days
Connection Interface	USB 2.0 / USB Type C Metal plug
Size and Weight	90mm(H) x 68mm(W) x 25mm(D) - 166g
Case Material	Polycarbonate

Compatible External Probes:

Order Code	Exposed Tip Length	Tip Diameter	Cable Length
ST10S-05	22.5mm	ø5mm	0.5m (1'6")
ST10S-15	22.5mm	ø5mm	1.5m (4'11")
ST10S-30	22.5mm	ø5mm	3m (9'10")
ST10M-15	60mm	ø5mm	1.5m (4'11")

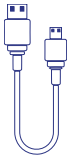
Compatible Smart Probes:

Order Code	Exposed Tip Length	Tip Diameter	Cable Length
CP10S-15	22.5mm	ø5mm	1.5m (4'11")
CP10S-30	22.5mm	ø5mm	3m (9'10")

External Probe
Not Included (**Recommended**)

Smart Probe
Not Included (**Recommended**)

Charging Accessories:



USB-C Cable
Sold Separately

AC Adapter**
Sold Separately

*Phone call, SMS, or WhatsApp alerts require paid LogTag® Online subscription and notification units.
**The LT5GEO can only be charged with a 5V/1A connector as other voltages will damage the device.

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