

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 $-90\text{ }^{\circ}\text{C}$ ($-130\text{ }^{\circ}\text{F}$). 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 $-90\text{ }^{\circ}\text{C}$ ($-130\text{ }^{\circ}\text{F}$).

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.

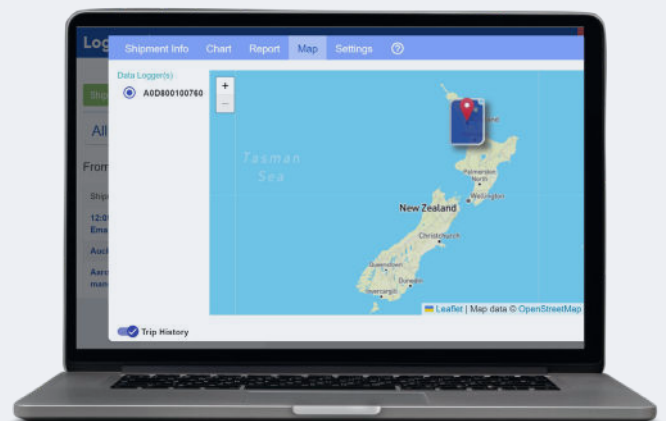
*Phone call, SMS, or WhatsApp alerts require paid LogTag® Online subscription and notification units.



Order Codes:

Single-Use:
LT5GEO-LE-S

Multi-Use:
LT5GEO-LE-M
Standard
Temperature
External Probe
Models Available



Features:



Dry Ice Insight: Ensures 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: Avoid 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

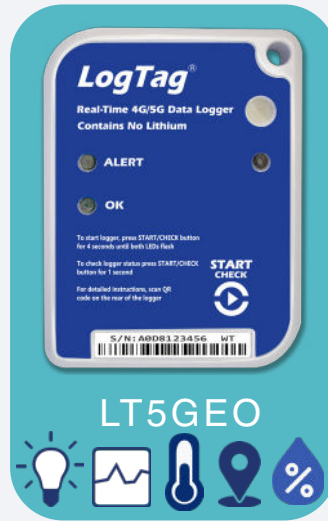
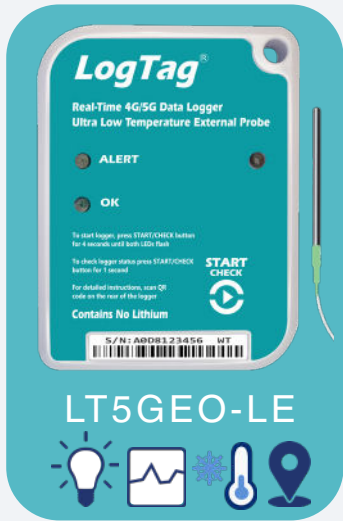


The LT5GEO automatically transmits environmental and geo-location data to LogTag® Online via the cellular connection, delivering live insight without the need for manual downloads or onsite access.

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 Range:



LT5GEO Internal Sensor:



Scan the QR Code
to view the LogTag®
LT5GEO Internal Sensor.

<https://logtagrecorders.com/product/lt5geo/>

LT5GEO External Sensor:



Scan the QR Code
to view the LogTag®
LT5GEO External Sensor.

<https://logtagrecorders.com/product/lt5geo-external-probe/>

APPLICATIONS



Vaccines



Clinical Centers



Dry Ice Storage and Transportation



Specialty Materials



Life Science Laboratory



Warehousing

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") |

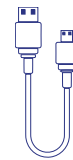


External Probe
Not Included (Recommended)



Smart Probe
Not Included (Recommended)

Charging Accessories:



USB-C Cable
Sold Separately



AC Adapter**
Sold Separately

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") |

Explore More Probe Options:



Scan the QR Code to view the full range of External Probes.

LT5GEO External Probe:



Scan the QR Code to view the LogTag® LT5GEO External Probe.

*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.