DATASHEET

SRIL-16U

LogTag

Distributed by AKRIBIS

TEMPERATURE MONITORING AT A GLANCE

LogTag®

TRIL/SRIL-16U

Ultra-Low Temperature Logger

AKRIBIS · www.akribis.info · contacto@akribis.info

LogTag TRIL/SRIL-16U

Introducing LogTag®'s latest innovation in ultra-low temperature monitoring, designed for the demanding needs of life sciences, vaccine handling, and specialty cold chain applications.

Compact, reliable, and versatile, this solution is built to monitor products stored in ultra-low environments, whether in transit with dry ice or monitoring ultra low storage conditions.

Now featuring a built-in USB connection for software-free downloads, it enables seamless integration into any workflow. Simply plug the logger into a computer to automatically generate PDF or CSV reports, no software or cradles required. For advanced configurations and bulk setups, LogTag® Analyzer provides a centralized platform for data analysis, ensuring complete control over your monitoring process.

Features:

Built-in USB:
No software required for data retrieval. Automatically generates PDF and CSV files for quick and easy reporting.

LED Indicators:
At-a-glance monitoring with "OK" and "Alert" LEDs to quickly assess status.

High Capacity:
Records and stores over 60 days of data and statistics.

Durable and Compact:
Built for tough environments like dry ice transport and life sciences.

Cloud Data Storage:
Data can be uploaded directly to LogTag® Online for secure cloud storage and remote viewing or downloading.

Seamless Integration:
No cradles needed for setup or data retrieval. User friendly by design.

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LogTag TRIL/SRIL-16U

Life Sciences

Ensures reliable monitoring for safe vaccine storage and transport.

- **Ideal for biologics, Pharmaceuticals, and Specialty Chemicals**
- **Software-Free Downloads:** Quickly download data software-free with the built-in USB connection.
- **At-a-Glance Monitoring:** LED indicators provide instant alerts for prompt action even at the lowest temperatures.

Cold Chain Logistics

An essential tool to safeguard products during ultra-low-temperature monitoring.

- **Dry Ice Compatibility:** Specialized for stability in extreme ultra-low temperatures.
- **At-a-Glance Monitoring:** LED indicators provide instant alerts for prompt action.
- **Software-less USB Downloads:** Allow immediate access to data for quick decision-making, even in remote locations.

Industrial

Engineered for reliability in demanding industrial ultra-low temperature environments.

- **Specialty Monitoring:** Monitors adhesives, specialty chemicals, and industrial-grade compounds under extreme conditions.
- **Compact and Rugged Design:** Ensures durability in challenging industrial environments.
- **Remote Data Access:** Data can be sent automatically to LogTag® Online for remote data access and viewing.

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LogTag® Online

When data is uploaded to LogTag® Analyzer, it can be automatically synced with your LogTag® Online account.

This seamless integration ensures your data is securely stored in the cloud, allowing remote access from anywhere without relying on the original computer.

Entire teams can easily view, download, and share data, simplifying collaboration, audits, and future reference.

Specifications

Product Model	TRIL-16U (Multi-Trip) - SRIL-16U (Single Trip)
Operating Temperature Range	-85 °C to +40 °C (-121 °F to +104 °F)
Storage Temperature Range	-20 °C to +40 °C (-4 °F to +104 °F)
Rated Temperature Reading Accuracy	Better than ±1 °C (±1.8 °F) for -30 °C to +20 °C (-22 °F to +68 °F). Better than ±1.2 °C (±2.1 °F) for -45 °C to -30 °C (-49 °F to -22 °F). Better than ±1.2 °C (±2.1 °F) for +20 °C to +40 °C (+68 °F to +104 °F). Better than ±1.7 °C (±3.1 °F) for -85 °C to -45 °C (-121 °F to -49 °F). Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.
Rated Temperature Reading Resolution	Less than 0.1 °C (0.2 °F) for -85 °C to 0 °C (-121 °F to +32 °F). Less than 0.2 °C (0.4 °F) for 0 °C to +20 °C (+32 °F to +68 °F). Less than 0.5 °C (0.9 °F) for +20 °C to +40 °C (+68 °F to +104 °F). LogTag® Analyzer currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®
Sensor Reaction Time	Typically less than 5 minutes (T90) in moving air (1m/s)
Recording Capacity	Stores over 16,000 readings, supporting up to 90 days of data at 10-minute sampling intervals
Sampling Interval	Configurable from 1 minute to several hours
Logging Start Options	Push button start or specific date and time
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator
Download Time	Typically less than 10 seconds for full memory depending on computer or readout device used
Environmental	IP65 (roughly equivalent to NEMA 4)
Power Source	3.6V low temperature chemistry Lithium (Non-Replaceable) battery
Battery Life	Over 90 days (2,500 hours at -50 °C). Total run time varies depending on the temperature
Storage Life	Maximum storage life of 12 months before 'start'
Real Time Clock	Built-in real time clock. Rated accuracy ±25ppm @ 25°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is -0.034 ±0.006ppm/°C (i.e. typically +/- 0.00294 seconds/day/°C).
Connection interface	USB A-type metal plug
Size	86mm(H) x 54.5mm(W) x 8.6mm(T)
Weight	33g
Case Material	Polycarbonate

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