



UTRIX-16 Multi-Use USB PDF Temperature Recorder

- Automatically generates a PDF report and an Excel data file - no special download software required.
- Automatically generates an encrypted LogTag data file - for a more detailed analysis and to comply with FDA CFR21 Part 11.
- Fully user configurable via LogTag Analyzer® for individual alarm settings, start options, trip length and log interval.
- Durable, reliable USB connector with gold plated contacts, designed for multiple insertions.
- Up to 16,129 recordings - provides over 3 months logging at 10 minute sample intervals.
- Suitable for any multi-use application where the recorder can be recovered and reused.

The LogTag® UTRIX-16 satisfies the growing need for a cost effective and reliable multi-use temperature recorder. It requires no special hardware or proprietary software to access the recorded data and can generate a fully detailed PDF report.

The UTRIX-16 stores real-time temperature readings over a measurement range of -25°C to +70°C (-13°F to +158°F), displays user-configurable alerts, and comes with an integrated, long-life USB connector.

The UTRIX-16 is enclosed in the same robust and durable polycarbonate case common to other LogTag products.

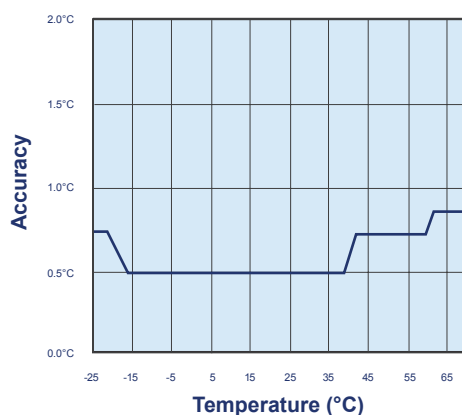
The UTRIX-16 plugs directly into the computer USB for easy configuration by the user for a wide range of recording and alert conditions. Upon download, it automatically generates a fully detailed PDF report with the option to download the data using the freely available LogTag® Analyzer software for a more detailed analysis.

A red ALERT indicator provides an immediate indication - without access to a PC - if any readings are outside the limits specified at the time the unit was configured. A green OK indicator provides immediate visual confirmation that the unit is operating.

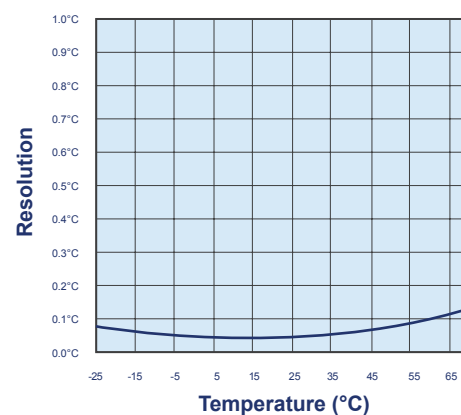
Accuracy / Resolution Charts



Rated Absolute Accuracy



Rated Native Resolution



Product Specifications

Product Model	UTRIX-16
Sensor Measurement Range	-25°C to +70°C (-13°F to +158°F).
Operating Temperature Range	-25°C to +70°C (-13°F to +158°F).
Storage Temperature Range	0°C to +40°C (32°F to +104°F).
Rated Temperature Reading Accuracy	Better than $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) for -20°C to $+40^{\circ}\text{C}$ (-4°F to $+104^{\circ}\text{F}$). Better than $\pm 0.7^{\circ}\text{C}$ ($\pm 1.3^{\circ}\text{F}$) for -25°C to -20°C (-13°F to -4°F) & $+40^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ($+104^{\circ}\text{F}$ to $+140^{\circ}\text{F}$). Better than $\pm 0.8^{\circ}\text{C}$ ($\pm 1.5^{\circ}\text{F}$) for $+60^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ ($+140^{\circ}\text{F}$ to $+158^{\circ}\text{F}$). <i>Actual performance is typically much better than the rated values. Please see the Rated Absolute Accuracy chart below. Accuracy figures can be improved by recalibration.</i>
Rated Temperature Reading Resolution	$< 0.1^{\circ}\text{C}/^{\circ}\text{F}$ Please see the Rated Native Resolution chart below. <i>LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®.</i>
Sensor Reaction Time	Typically less than 7 minutes (T90) in moving air (1m/s) in EN12830:1999.
Recording Capacity	16,129 temperature readings. 56 days @ 5min logging, 168 days @ 15min logging.
Sampling Interval	Configurable from 30 seconds to 18 hours.
Logging Start Options	Push button start (with configurable start delay from 1 minute to 72 hours) or specific date & time.
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator.
Alarms	1 configurable upper and 1 configurable lower alarms.
Download Time	Typically with full memory (16,129 readings) in less than 30 seconds from time of insertion to availability of PDF report. Typically less than 10 seconds from time of insertion to availability of LTD file in LogTag® Analyzer (if configured).
Environmental	IEC 60529: IP64 with USB cap fitted.
Power Source	3V Li-Mg Battery.
Battery Life	Typically 2 - 3 years with normal use (15 minute sampling interval, download data monthly), provided Logger is kept within the Storage Temperature Range when not in use.
Real Time Clock	Built-in real time clock. Rated accuracy $\pm 25\text{ppm}$ @ 25°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is $-0.034 \pm 0.006\text{ppm}/^{\circ}\text{C}$ (i.e typically ± 0.00294 seconds/day/ $^{\circ}\text{C}$).
Connection Interface	USB 2.0, A-type plug.
Software	PDF Reader, LogTag® Analyzer 2.5 or higher.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
Weight	36g.
Case Material	Polycarbonate.

Accessories



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