



Cleanroom Management International

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## MULTI-USE PDF LOGGER AT A DISTANCE



# LogTag®

## UTRIX-16

Multi-Use USB PDF  
Temperature Recorder

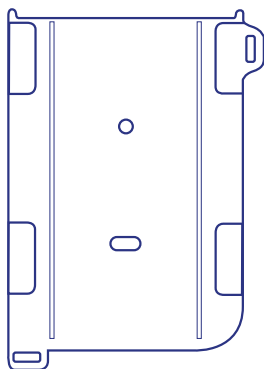


The LogTag® UTRIX-16 satisfies the growing need for a cost effective and reliable multi-use temperature recorder. It requires no special hardware or proprietary software to access the recorded data and can generate a fully detailed PDF report.

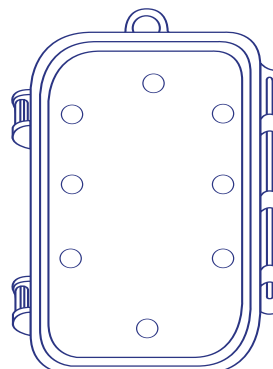
The LogTag® UTRIX-16 stores real-time temperature readings over a measurement range of -30°C to +70°C (-22°F to +158°F), displays user-configurable alerts, and comes with an integrated, long-life USB connector.

## Accessories

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*Wall Mount*  
Not Included



*Protective Enclosure*  
Not Included

# Features

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Records temperature from  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .



Measure and store up to 16,000 temperature readings.



Up to 16,000 recordings - provides over 3 months logging at 10 minute sample intervals.



Can be connected to any computer with a USB port. No interface cradle required.



Automatic generation of a PDF report as a permanent record of the data.



Fixed battery provides 1 year storage, followed by 2 – 3 years of normal use.



# Applications

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*Transportation*



*Farming*



*Cold Storage*



*Produce*



*Laboratories*



*Warehouse*

# Specifications

<b>Product Model</b>	UTRIX-16
<b>Sensor Measurement Range</b>	-30°C to +70°C (-22°F to +158°F).
<b>Operating Temperature Range</b>	-30°C to +70°C (-22°F to +158°F).
<b>Storage Temperature Range</b>	0°C to +40°C (32°F to +104°F).
<b>Rated Temperature Reading Accuracy</b>	Better than $\pm 0.5^{\circ}\text{C}$ ( $\pm 0.9^{\circ}\text{F}$ ) for -20°C to +40°C (-4°F to +104°F). Better than $\pm 0.7^{\circ}\text{C}$ ( $\pm 1.3^{\circ}\text{F}$ ) for -30°C to -20°C (-22°F to -4°F) & +40°C to +60°C (+104°F to +140°F). Better than $\pm 0.8^{\circ}\text{C}$ ( $\pm 1.5^{\circ}\text{F}$ ) for +60°C to +70°C (+140°F to +158°F). <i>Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.</i>
<b>Rated Temperature Reading Resolution</b>	< 0.1°C/F <i>LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®.</i>
<b>Sensor Reaction Time</b>	Typically less than 7 minutes (T90) in moving air (1m/s) in EN12830:1999.
<b>Recording Capacity</b>	16,129 temperature readings. 56 days @ 5min logging, 168 days @ 15min logging.
<b>Sampling Interval</b>	Configurable from 30 seconds to 18 hours.
<b>Logging Start Options</b>	Push button start (with configurable start delay from 1 minute to 72 hours) or specific date & time.
<b>Recording Indication</b>	Flashing 'OK' indicator / flashing 'ALERT' indicator.
<b>Alarms</b>	1 configurable upper and 1 configurable lower alarms.
<b>Download Time</b>	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).
<b>Environmental</b>	IEC 60529: IP64 with USB cap fitted.
<b>Power Source</b>	CR2450 3V LiMnO <sub>2</sub> Battery (Fixed).
<b>Battery Life</b>	1 year storage, followed by 2 – 3 years of normal use (based on 15 minute logging, download data monthly).
<b>Real Time Clock</b>	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/°C).
<b>Connection Interface</b>	USB 2.0, A-type plug.
<b>Software</b>	PDF Reader, LogTag® Analyzer 2.5 or higher.
<b>Size</b>	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
<b>Weight</b>	36g.
<b>Case Material</b>	Polycarbonate.



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