DATASHEET

UTRID-16R

LogTag

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MULTI-USE PDF LOGGER AT A GLANCE

LogTag

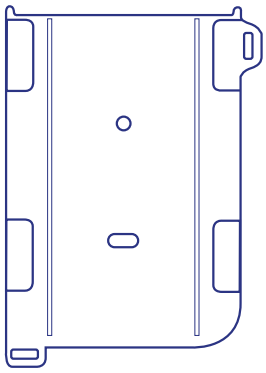
UTRID-16

Multi-Use USB PDF With Display

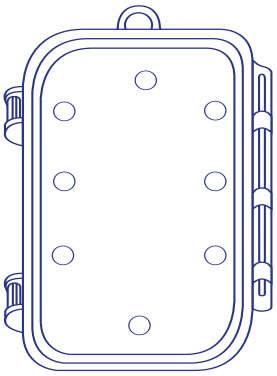
The LogTag® UTRID-16 provides a display to allow immediate viewing of current and past temperature and alarm statistics. The display shows recording status, current temperature, alarm status of up to six user-configurable alarms and duration of any temperature excursions.

A detailed PDF report of the recorded temperature data and alarms are automatically generated without any proprietary software using the integrated USB plug.

Accessories



Wall Mount
Not Included



Protective Enclosure
Not Included

Features

Records temperature from -30°C to +60°C.

UTRID-16 is Pre-Qualified compliant to WHO PQS specification E006 Temperature monitoring devices

Up to 16,000 recordings - enough for 168 days at 15 minute logging.

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

Display showing temperature and alarm status of up to six alarms.

UTRID-16 offers both a user Replaceable battery and a Fixed Battery type.

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

Creates a comprehensive data file compatible with LogTag Analyzer operating software.

Applications

Pharmaceuticals

Produce

Transportation

Laboratories

Specifications

Product Model	UTRID-16R (Replaceable Battery). UTRID-16 (Fixed Battery) WHO PQS E006/076 qualified
Sensor Measurement Range	-30°C to +60°C (-22°F to +140°F).
Operating Temperature Range	-30°C to +65°C (-22°F to +149°F).
Storage Temperature Range	0°C to +40°C (32°F to +104°F).
Rated Temperature Reading Accuracy	Better than ±0.5°C (±0.9°F) for -20°C to +40°C (-4°F to +104°F). Better than ±0.7°C (±1.3°F) for -25°C to -20°C (-13°F to -4°F) & +40°C to +60°C (+104°F to +140°F). *Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.*
Rated Temperature Reading Resolution	0.1°C (0.1°F). *LogTag Analyzer currently displays to one decimal place of °C or °F.*
Sensor Reaction Time	Typically less than 7 minutes (T90) in moving air (1m/s) in EN12830:1999.
Recording Capacity	16,129 temperature readings. 112 days @ 10min logging, 168 days @ 15min logging. Statistics memory (for display on LCD): Max/Min values and alarm duration values.
Sampling Interval	Configurable from 30 seconds to 18 hours.
Logging Start Options	Push button start or specific date & time. Optional start delay of up to 72 hours.
Recording Indication	"REC" symbol on LCD
Alarms	Three configurable upper and three 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	UTRID-16R - CR2032 3V $LiMnO_2$ Battery (Replaceable). UTRID-16 - CR2450 3V $LiMnO_2$ UN38.3 approved coin cell battery (Fixed)
Battery Life	UTRID-16R: 1 year storage life before 'start' (if it is hibernation mode), followed by: 1 year of normal use (based on 15 minute logging, download data monthly). UTRID-16: Typically 2 years of operation with normal use (6 minute logging, statistics reviewed on the display no more than once daily for no longer than 30 seconds each time, download data monthly) provided recorder is kept within the storage temperature range when not in use.
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 2.0, A-type plug.
Software	PDF Reader, LogTag® Analyzer 2.8 or higher.
PDF Report	One page report with trip and alarm summary. Multi-page report with list of readings, including date and time.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
Weight	39g.
Case Material	Polycarbonate.

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