BROCHURE

UTREL30-16

LogTag

Distributed by AKRIBIS

DUAL-CHANNEL LOW TEMPERATURE LOGGER

LogTag®

UTREL30-16

Dual-Channel 30 Day Low Temperature Logger

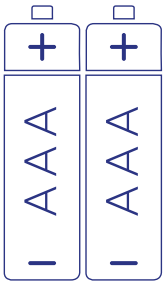
AKRIBIS · www.akribis.info · contacto@akribis.info

The LogTag® UTREL30-16 Dual-Channel Temperature Recorder measures and stores up to 32,000 temperature readings.

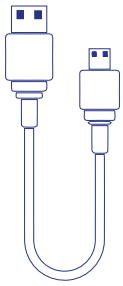
It features a large easy-to-read display and is designed to show 'at a glance' if temperature excursions have occurred during the current day and up to the previous 29 days.

The alarm is triggered if temperature readings are outside pre-set alarm limits which is indicated by a large X on the display and, if configured, the audible alarm will sound.

Accessories

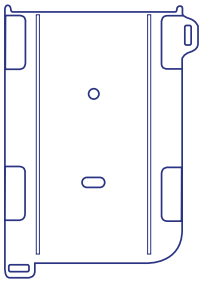


2x AAA Batteries
Not Included



USB Cable
Included

*AC Adapter^*
Included



Wall Mount
Not Included

Buffer assembly
Not Included
(Silica sand recommended for temperatures below -40°C)

*Socket Cover**
Included

*External Probe***
Not Included (Required).

Compatible probes below:

ST10S Probes are available with a 0.5m, 1.5m or 3m cable
ST10M Probes are available with a 1.5m or 3m cable
E.g. ST10M-15 for 1.5m or ST10M-30 for 3m cable

ST10S	22mm tip length, ø5mm (Not suitable for use with buffer)
ST10M	65mm tip length, ø5mm.
STX50	5 Meter extension cable for ST10/ST100 sensors.

^US and EU adapter only
**Optional to insert inside an unused Channel port*
***Hot swappable external sensor probes*

latest Min-Max temperature at a glance.

Features

days at a glance.

signals a temperature alarm.

cell to ensure no data is lost.

Two socket external probe with auto channel swap function.

View alarm status for up to 30

Audible alarm and flashing red LED

Measure and store up to 16,000 readings for each channel – enough for 67 days at 6 minute logging.

Can be powered by 2x AAA batteries (user replaceable) if not external powered.

Download data via LogTag Analyzer or as a PDF (no software required).

Inspections can be recorded at the push of a button.

Records temperatures from +40°C to as low as -90°C

Applications

Pharmaceuticals

Bio Storage

Cold Room

Vaccine Transport & Storage

Clinic

Specifications

Product Model	UTREL30-16.
External Sensor Measurement Range	-90°C to +40°C (-130°F to +104°F).
Operating Temperature Range	-30°C to +60°C (-22°F to +140°F). 0 – 99 % RH (non-condensing)
Storage Temperature Range	0°C to +40°C (32°F to +104°F).
Rated Temperature Reading Resolution	Better than 0.1°C (0.2°F) for measurements -80°C to 10°C (-112°F to 50°F) Better than 0.2°C (0.4°F) for measurements 10°C to 20°C (50°F to 68°F) and -90°C to -80°C (-130°F to -112°F) Better than 0.3°C (0.5°F) for measurements 20°C to 30°C (68°F to 86°F) Better than 0.5°C (0.9°F) for measurements 30°C to 40°C (86°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 2 minutes(T90) in moving air (1m/s) for ST10S type probe.
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) and +10°C to +30°C (50°F to 86°F) Better than ±1°C for -80°C to -50°C (-112°F to -58°F) and +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)
Probe Connectivity	Up to 2
Probe Compatibility	All ST10 precision thermistor external probes can be interchangeably connected to the UTREL30-16. Please refer to the Accessories section for compatible External Probes. Different probe models can be used for each channel. Not compatible with ST100 sensors.
Recording Capacity	32,000 total log memory. Provides 16,000 temperature readings per channel. Day summary statistics memory (for display on LCD): up to 30 days of Min/Max/duration and alarm trigger statistics.
Sampling Interval	Configurable from 30 seconds to 18 hours. (Typically 5 minute logging)
Alarms	Up to 6 individually configurable alarms for each channel. Possible to set alarms separately for Channel 1 and Channel 2.
Logging Start Options	Push button start (with configurable start delay from 1 minute to 72 hours) or specific date & time.
Download Time	Typically with full memory (32,000 readings) in less than 20 seconds.
Environmental	IP61 (when vertically mounted or hung with USB dust-cap in place).
Power Source	5V via micro USB socket or 2 x 1.5V AAA batteries. CR2032 LiMnO2 coin cell (backup logging function only).
Battery Life	AAA battery up to 12 months - if unit is operated without power supply.
Real Time Clock	Built-in real time clock. Typical 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).
Standard Remote Probe Cable Lengths	Standard: 1.5m (4'11"). Extended: 3m (9'10") (recommended maximum).
Remote Probe Cable Type	PTFE (FDA food contact rated) coaxial.
Connection Interface	USB 2.0 / Micro USB Socket.
Size	141mm(H) x 72mm(W) x 18mm(T).
Weight	156g with AAA batteries, (132g - excluding probe and AAA batteries).
Case Material	Polycarbonate.

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