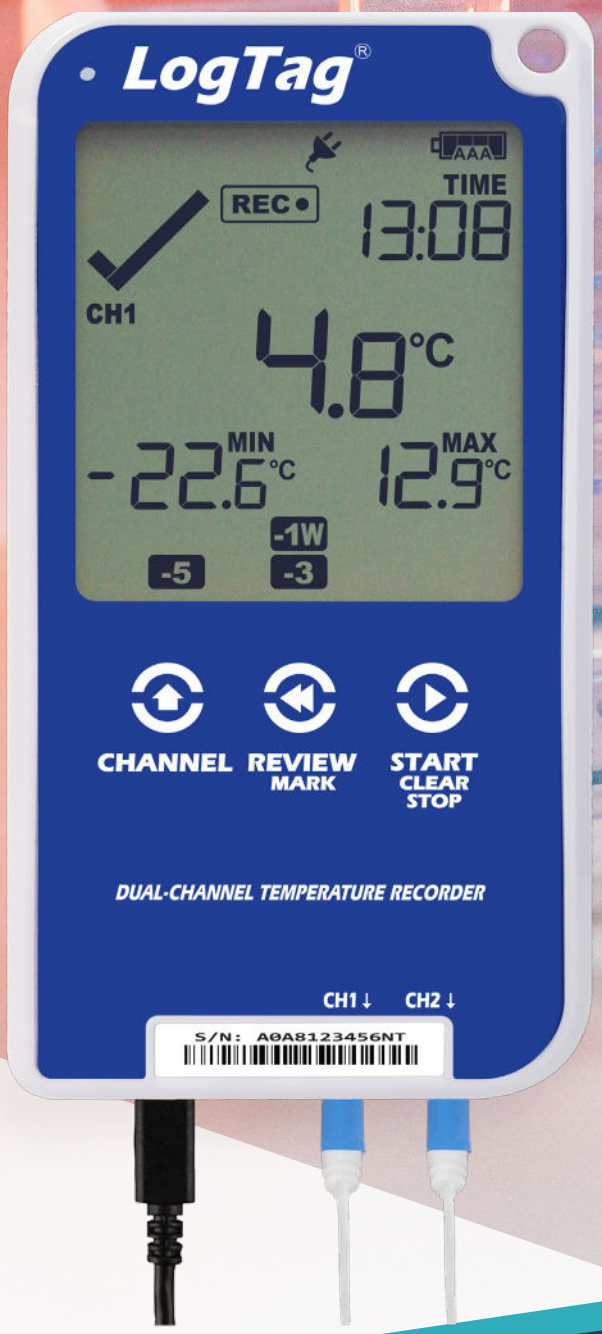
BROCHURE

UTRED30-16

LogTag

Distributed by AKRIBIS

DUAL-CHANNEL TEMPERATURE LOGGER



LogTag®

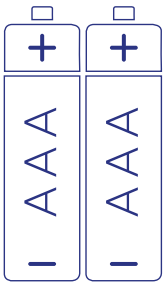
UTRED30-16

Dual-Channel 30 Day Display Logger

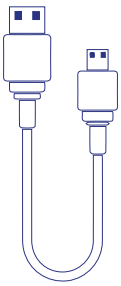
The LogTag® UTRED30-16 Temperature Recorder measures and stores up to a total 32,000 temperature readings, 16,000 readings per channel. The logger supports the ST100 probe and can be used on one or both channels if required.

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

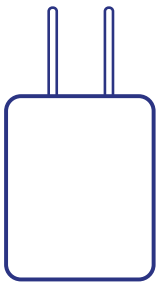
Accessories



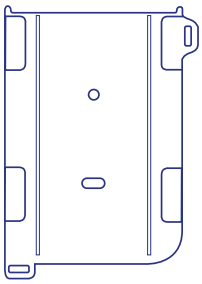
2x AAA Batteries
Not Included



USB Cable
Included

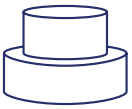


*AC Adapter^*
Included



UTRED/UTREL30 Wall Mount
Not Included

Glycol Buffer
Not Included



*Socket Cover**
Included (Optional to use)

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

Compatible probes below:

ST100J	40mm tip length, ø3.2mm.
ST100K	65mm tip length, ø3.2mm.
ST100L	90mm tip length, ø3.2mm.
ST100S	22mm tip length, ø5mm.
ST100T	105mm tip length, ø5mm.
ST100H	Handled with 105mm tip length, ø5mm.
ST100B	Untipped (bare probe).
STX50	5 Meter extension cable for ST10/ST100 probes.

Probes are available with a 1.5m or 3m cable.
E.g. ST100J-15 for 1.5m or ST100J-30 for 3m cable

^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

signals a temperature alarm.

Audible alarm and flashing red LED

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.

Applications

Bio Science

Food Science

Cold Room

Blood banks

Bio-Pharma / Bio Technology

Pharmaceutical & Vaccines

Bio Storage & logistics

Life Sciences

Specifications

Product Model	UTRED30-16.
External Sensor Measurement Range	-40°C to +99°C. (-40°F to 210°F).
Operating Temperature Range	-30°C to +60°C 0 – 99 % RH (non-condensing)
Storage Temperature Range	-10°C to +40°C (32°F to +104°F).
Rated Temperature Reading Resolution	Better than 0.1°C (0.2°F) for -30°C to +60°C (-22°F to +140°F). Better than 0.2°C (0.4°F) for -40°C to -30°C (-40°F to -22°F). Better than 0.5°C (0.9°F) for +60°C to +99°C (+140°F to +210°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 ST100S type
Rated Temperature Reading Accuracy	Better than ±0.5°C (±0.9°F) for -20°C to +40°C (-4°F to +104°F), typically ±0.3°C (0.6°F). Better than ±0.8°C (±1.4°F) for -40°C to -20°C (-40°F to -4°F), typically ±0.5°C (0.9°F). Better than ±0.8°C (±1.4°F) for +40°C to +70°C (+104°F to +158°F), typically ±0.7°C (1.3°F). Better than ±1.2°C (±2.2°F) for +70°C to +99°C (+158°F to +210°F), typically ±1°C (1.8°F).
Probe Connectivity	Up to 2
Probe Compatibility	All ST100 precision thermistor external probes can be interchangeably connected to the UTRED30-16. Please refer to the Accessories section for compatible External Probes. Different probe models can be used for each channel. Not compatible with ST10 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 or specific date & time. Optional start delay.
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 $LiMnO_2$ 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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