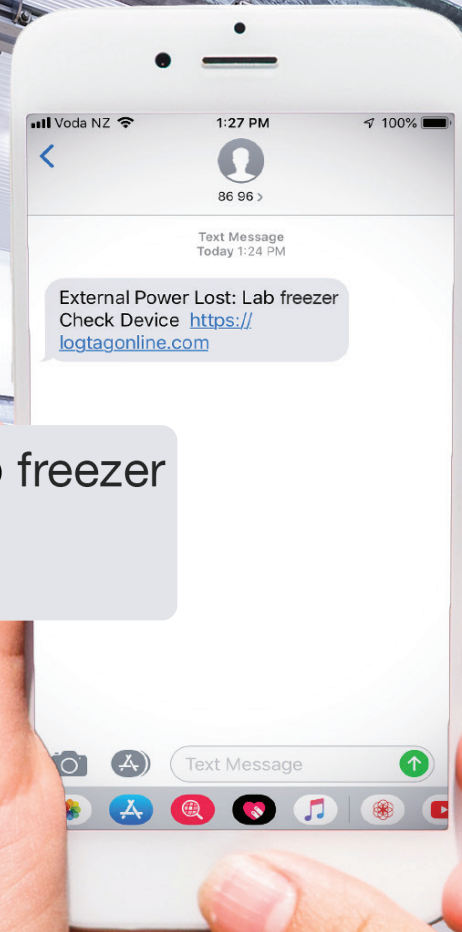YOUR DATA, ANYWHERE, ANYTIME

External Power Lost: Lab freezer Check Device https://logtagonline.com

**LogTag®**

UTREL30-WiFi
30 Day WiFi Low Temperature
Logger with Display

The LogTag® UTREL30-WiFi temperature data logger automatically uploads real-time temperature data to your LogTag® Online cloud account via your existing wireless network.
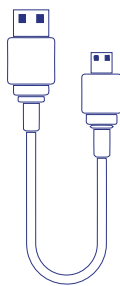
It features a large, easy-to-read display, along with many familiar attributes known from the LogTag® family of data loggers.

These include non-volatile memory for up to 16,129 temperature readings and a statistical memory, storing maximum and minimum reading as well as alarm duration for each of the last 30 days.
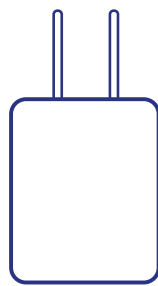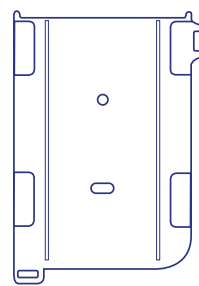
# Accessories
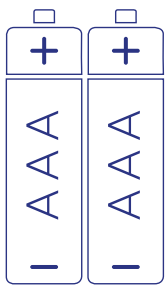


**2x AAA Batteries**
*Not Included*



**USB Cable**
*Included*



**AC Adapter^**
*Included*



**Wall Mount**
*Not Included*



**Buffer assembly**
*Not Included*
*(Silica sand recommended for temperatures below -40ºC)*



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

*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*

**Compatible probes below:**

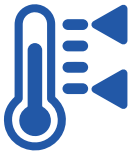| | |
|---|---|
| **ST10S** | 22mm tip length, ø5mm (Not recommended for use with buffer) |
| **ST10M** | 65mm tip length, ø5mm. |
| **STX50** | 5 Meter extension cable for ST10/ST100 sensors. |

*^US and EU adapter only*

# Features

Real-time data automatically uploaded via WiFi to the LogTag Online cloud.

Download data via LogTag Analyzer or as a PDF (no software required) when WiFi is unavailable.

Read current temperature and latest Min-Max temperature at a glance.

Check and reset Min-Max temperature reading at any time.

Audible alarm and flashing red LED signals a temperature alarm.

View alarm status for up to 30 days at a glance.
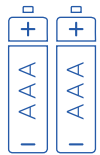
Can be powered by 2x AAA batteries (user replaceable) if not external powered.

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

Auto-pause function suspends alarm & statistic processing when the external sensor is unplugged.

Second battery backup via a coin cell to ensure no data is lost.

# Applications



Vaccine & Pharmaceuticals



Industrial



Cold Storage



Clinic



Transportation



Refrigerated Containers

# Specifications

| | |
|---|---|
| **Product Model** | UTREL30-WiFi. |
| **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). |
| **Storage Temperature Range** | 0°C to +40°C (32°F to +104°F). |
| **Rated Temperature Reading Resolution** | 0.1°C (0.2°F) for measurements -80°C to 10°C (-112°F to 50°F)<br>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)<br>0.3°C (0.5°F) for measurements 20°C to 30°C (68°F to 86°F)<br>0.5°C (0.9°F) for measurements 30°C to 40°C (86°F to 104°F)<br>LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®. |
| **Rated Temperature Reading Accuracy** | Better than ±0.5°C for -20°C to +10°C (-4°F to 50°F)<br>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)<br>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)<br>Better than ±1.8°C for -90°C to -80°C (-130°F to -112°F) |
| **Recording Capacity** | 16,129 temperature readings. 67 days at 6 minute logging. Day summary statistics memory (for display on LCD): up to 30 days of Min/Max/duration and alarm trigger statistics. |
| **Sensor Reaction Time** | Typically less than 2 minutes(T90) in moving air (1m/s) for ST10S type. |
| **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. |
| **Download Time** | Typically with full memory (16,129 readings) in less than 10 seconds. |
| **Environmental** | IP51 (when vertically mounted or hung with USB dust-cap in place). |
| **Calibration** | Factory calibrated using NIST equivalent reference equipment. Calibration certificate available on request. |
| **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** | Device should normally be powered via USB. AAA batteries provide backup power for up to 2 months. |
| **Connection Interface** | USB 2.0 / Micro-USB plug. |
| **WiFi** | IEEE 802.11 / WPA/WPA2 security. |
| **Size** | 141mm(H) x 72mm(W) x 18mm(T). |
| **Weight** | 158g with AAA batteries, (134g - excluding probe and AAA batteries). |
| **Case Material** | Polycarbonate |



# Connection Software

Real-time data automatically uploaded via WiFi to the LogTag Online cloud.

For more information on LogTag Online, please visit our website:

logtagrecorders.com/online