

External Power Lost: Lab freezer  
Check Device [https://  
logtagonline.com](https://logtagonline.com)



# LogTag<sup>®</sup>

## UTREL30-WiFi

30 Day WiFi Low Temperature  
Logger with Display

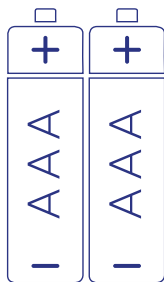


The LogTag® UTREL30-WiFi temperature data logger automatically uploads real-time temperature data to your LogTag® Online cloud account via your existing wireless network.

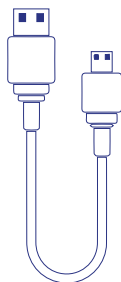
It features a large, easy-to-read display, along with many familiar attributes known from the LogTag® family of data loggers.

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.

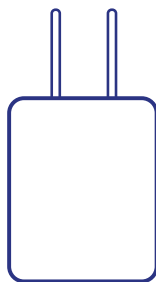
## Accessories



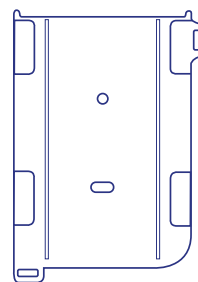
**2x AAA Batteries**  
Not Included



**USB Cable**  
Included



**AC Adapter<sup>^</sup>**  
Included



**Wall Mount**  
Not Included



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



**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:*

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

<sup>^</sup>US and EU adapter only



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.



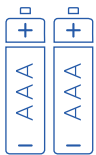
Check and reset Min-Max temperature reading at any time.



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.





Vaccine & Pharmaceuticals



Industrial



Cold Storage



Clinic



Transportation



Refrigerated Containers

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Model</b>                        | UTREL30-WiFi.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sensor Measurement Range</b>             | -90°C to +40°C (-130°F to +104°F).                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Operating Temperature Range</b>          | -30°C to +60°C (-22°F to +140°F).                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage Temperature Range</b>            | 0°C to +40°C (32°F to +104°F).                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Rated Temperature Reading Resolution</b> | 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®. |
| <b>Rated Temperature Reading Accuracy</b>   | 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)                                                                                                                         |
| <b>Recording Capacity</b>                   | 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.                                                                                                                                                                                                                                                   |
| <b>Sensor Reaction Time</b>                 | Typically less than 2 minutes(T90) in moving air (1m/s) for ST10S type.                                                                                                                                                                                                                                                                                                                                                         |
| <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>Download Time</b>                        | Typically with full memory (16,129 readings) in less than 10 seconds.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Environmental</b>                        | IP51 (when vertically mounted or hung with USB dust-cap in place).                                                                                                                                                                                                                                                                                                                                                              |
| <b>Calibration</b>                          | Factory calibrated using NIST equivalent reference equipment. Calibration certificate available on request.                                                                                                                                                                                                                                                                                                                     |
| <b>Power Source</b>                         | 5V via micro USB socket or, 2 x 1.5V AAA batteries. CR2032 LiMnO <sub>2</sub> coin cell (backup logging function only).                                                                                                                                                                                                                                                                                                         |
| <b>Battery Life</b>                         | Device should normally be powered via USB. AAA batteries provide backup power for up to 2 months.                                                                                                                                                                                                                                                                                                                               |
| <b>Connection Interface</b>                 | USB 2.0 / Micro-USB plug.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>WiFi</b>                                 | IEEE 802.11 / WPA/WPA2 security.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Size</b>                                 | 141mm(H) x 72mm(W) x 18mm(T).                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Weight</b>                               | 158g with AAA batteries, (134g - excluding probe and AAA batteries).                                                                                                                                                                                                                                                                                                                                                            |
| <b>Case Material</b>                        | Polycarbonate                                                                                                                                                                                                                                                                                                                                                                                                                   |

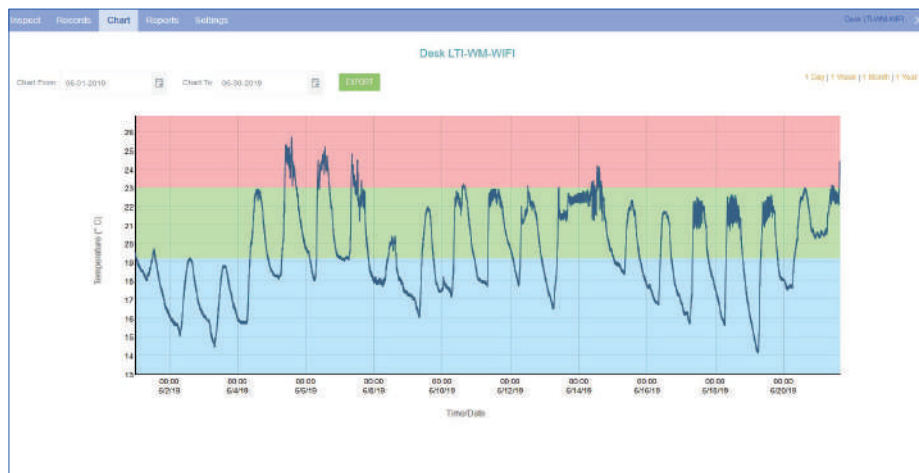


# Connection Software

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](http://logtagrecorders.com/online)



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