

BROCHURE

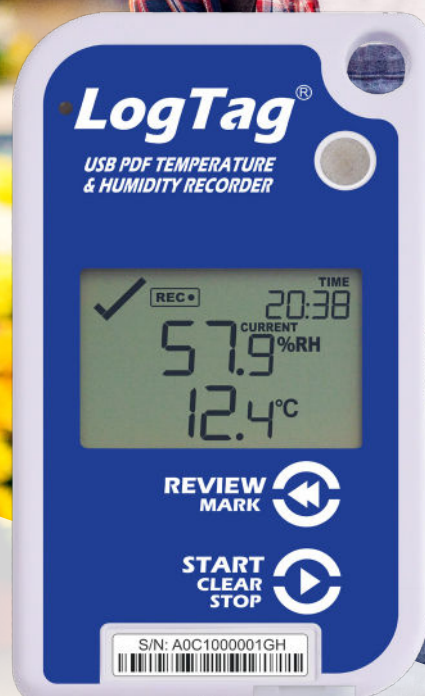
UHADO-16

LogTag

Distributed by AKRIBIS



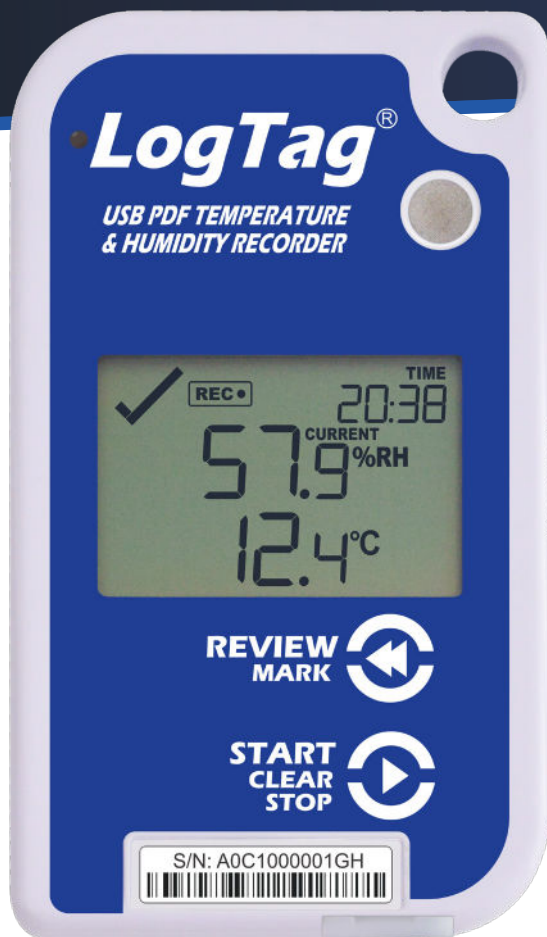
HUMIDITY & TEMPERATURE MADE EASY



LogTag®

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

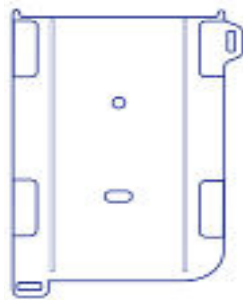
UHADO-16
USB/PDF Humidity
& Temperature Logger



LogTag®'s UHADO-16 is a fully configurable, multi-use USB PDF temperature and humidity logger that shows the most recent reading on the built-in display and can create reports without the need to install proprietary software or hardware at the destination.

Minimum and maximum recorded trip values can be reviewed directly on the display without the need for a PC.

Accessories



Wall Mount
Not Included



LTI HID
Not Included

Features



Record and display
Temperature & Humidity
readings simultaneously



Up to 16,000 sets of recordings
- enough for the longest trip



Real time clock provides date/
time stamp for every recording



USB micro-port for direct
connection to a computer



Automatic generation of a PDF,
CSV, and LTD report without
special software



Supports fast download using
the standard LogTag® Interface
cradle



User configuration for alarm
setting, logging interval, trip
duration etc



In transit inspections can be
recorded at the push of a button



User-replaceable coin cell
battery

Applications



Pharmaceuticals



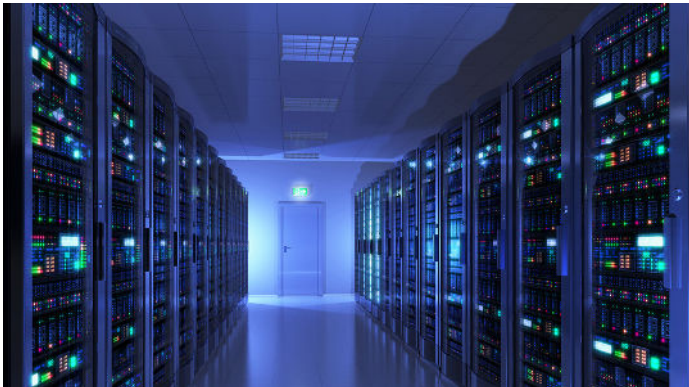
Agriculture



Warehousing



Transportation



HVAC



Farming

Specifications

Product Model	UHADO-16
Sensor Measurement Range	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature Range	-30 °C to +70 °C (-22 °F to +158 °F)
Storage Temperature Range	+10 °C to +50 °C (+50 °F to +122 °F)*
Humidity Measurement Range	0% RH to 100% RH (non-condensing), with limitations
Humidity Operating Range	0% RH to 100% RH (non-condensing), with limitations
Storage Humidity Range	20% RH to 60% RH*
Rated Temperature Reading Accuracy	Better than ± 0.45 °C (± 0.8 °F) for +0 °C to +50 °C (+32 °F to +122 °F), typically ± 0.3 °C (0.6 °F). Better than ± 0.8 °C (± 1.4 °F) for +50 °C to +70 °C (+122 °F to +158 °F), typically ± 0.5 °C (0.9 °F). Better than ± 0.95 °C (± 1.7 °F) for -30 °C to +0 °C (-22 °F to +32 °F), typically ± 0.6 °C (1.1 °F). Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.
Rated Humidity Reading Accuracy	Better than $\pm 3\%$ RH for 20% RH to 80% RH, typically $\pm 2\%$ RH. Better than $\pm 5\%$ RH for 0% RH to 20% RH, typically $\pm 4\%$ RH. Better than $\pm 5\%$ RH for 80% RH to 100% RH, typically $\pm 4\%$ RH. Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.
Humidity Resolution	Better than 0.1% RH
Temperature Resolution	Better than 0.1 °C or 0.1 °F
Recording Capacity	16,128 pairs of humidity and temperature readings. 112 days @ 10min logging, 168 days @ 15min logging. Statistics memory for displaying maximum and minimum Temperature and RH values on the LCD.
Sampling Interval	Configurable from 30 seconds to several hours.
Logging Start Options	Push button start or specific date and time
Recording Indication	State indicator "REC"
Alarms	4 temperature and 2 humidity alarms
Download Time	Typically less than 10 seconds for full memory, depending on computer or readout device used
Environmental	IP61 (when hung or mounted vertically)
Power Source	CR2032 3V LiMnO ₂ Battery (Replaceable)
Battery Life	1 year storage, 1 year of normal use (based on 15 minute logging, download data monthly)
Real Time Clock	Built-in real time clock. Typical accuracy ± 25 ppm @ 25 °C (equivalent to 2.5 seconds/day)
Connection Interface	Interface Cradle or USB 2.0 / Micro USB plug (cable not included)
Software	LogTag® Analyzer and LogTag® Online
Size	93mm(H) x 54.5mm(W) x 8.6mm(T)
Weight	41g
Case Material	Polycarbonate
*Optimal Storage Condition	For optimal Humidity logger storage, store units in original packaging in an air conditioned area. Storage temperature shall be in the range of 10 °C to 50 °C and humidity at 20 to 60% RH. Ensure good ventilation (fresh air supply) in storage area to avoid high concentrations of volatile chemicals. Do not store units in the same room as solvents or any other strong smelling products.



Exposure to Chemicals

Chemical vapors may interfere with materials used for the humidity sensor. The diffusion of chemicals into the sensor's polymer may cause a shift in both offset and sensitivity. In a clean environment the contaminants will slowly out gas.

The reconditioning procedure described above will accelerate this process. High levels of pollutants may cause permanent damage to the humidity sensor's polymer.

Re-conditioning Procedure

Exposure of the internal sensor to chemical vapours may interfere with the internal sensor and cause inaccurate readings to be logged. In a clean environment, this will slowly rectify itself. However, exposure to extreme conditions or chemical vapors will require the following reconditioning procedure to bring the internal sensor back to calibration state.

70 °C (158 °F) at <5% RH for 36 hours (baking) followed by 20-30 °C (70-90 °F) at >74% RH for 48 hours (re-hydration) High levels of pollutants may cause permanent damage to the internal sensor.