BROCHURE

HAXO-8

LogTag

Distributed by AKRIBIS

MULTI-USE HUMIDITY & TEMPERATURE LOGGER

LogTag®

HAXO-8

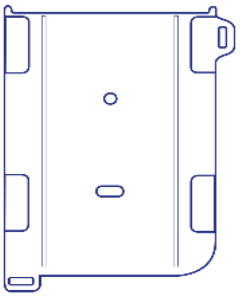
Fixed-Site Humidity & Temperature Monitoring

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

The LogTag® HAXO-8 is a multi-use Humidity & Temperature Recorder measures and stores up to 8000 sets of high resolution humidity and temperature readings.

The LogTag® HAXO-8 is equipped with a unique humidity & temperature sensor arrangement providing fast reaction time to humidity & temperature change and a real time clock which provides date/time stamps for each temperature reading.

Accessories



Wall Mount
Not Included

LTI-HID
Not Included

For multiple applications use

enough for the longest trip.

Features

Supports fast download using the standard LogTag Interface cradle

Up to 8,000 sets of recordings -

Real time clock provides date/time stamp for every recording.

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

Fixed battery of 1 year storage, followed by 2 – 3 years of normal use.

User configuration for alert settings, logging interval, trip duration etc.

Start Mark

Record and display Temperature & Humidity readings simultaneously.

Applications

Laboratories

Agriculture

Warehousing

Cold Chain

Server Rooms

Farming

Specifications

Product Model	HAXO-8.
Sensor Measurement Range	-40°C to +85°C (-40°F to +185°F).
Operating Temperature Range	-40°C to +85°C (-40°F to +185°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 +80°C (+122°F to +176°F), typically ±0.5°C (0.9°F). Better than ±0.95°C (±1.7°F) for -40°C to +0°C (-40°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 ±5%RH for 10%RH to 80%RH. Better than ±6%RH for 0%RH to 10%RH. Better than ±7%RH for 80%RH to 100%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	8,003 pairs of humidity and temperature readings 53 days @ 10min logging, 80 days @ 15min logging.
Sampling Interval	Configurable from 30 seconds to several hours.
Logging Start Options	Push button start or specific date & time. Optional start delay (30 seconds to 18 hours).
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator.
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	3V $LiMnO_2$ Battery (Fixed).
Battery Life	Fixed Battery. 1 year storage, followed by 2 – 3 years of normal use (based on 15 minute logging, download data monthly).
Real Time Clock	Built-in real time clock. Rated 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).
Connection Interface	Interface Cradle
Software	LogTag® Analyzer
Size	86mm(H) x 54.5mm(W) x 8.6mm(T).
Weight	34g.
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%RH 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.

Chemical vapors or pollutants

Exposure of the internal sensor to chemical vapors or high levels of pollutants may interfere with the internal sensor and cause a shift in both offset and sensitivity, resulting in inaccurate readings to be logged. High levels of pollutants may cause permanent damage to the humidity sensor's polymer.

Re-conditioning Procedure

Exposure of the internal sensor to chemical vapors 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.80°C (176°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.

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