

# The Helios Range

## Helios RHT

-  **Dedicated logger for RH and Temperature**
-  **Small and compact**
-  **Easy to Use**
-  **Memory capacity for 60 weeks recording**
-  **Internal battery life up to 6 months**
-  **Low cost**

Skye have been manufacturing accurate dataloggers for nearly 20 years. The Helios range of loggers are a family of small, dedicated sensor and logger systems, low cost and ideal for multiple location monitoring.

Most Skye dataloggers are housed in fully waterproof enclosures, suitable for outdoor conditions. The Helios RHT is designed for recording Relative Humidity and Air Temperature in indoor environments, where an expensive weatherproof housing is not necessary.

Helios RHT uses the same accurate sensor elements, electronics and software as other



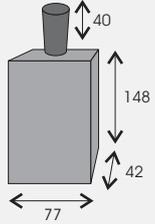
Skye dataloggers, it is only the housing which is more compact. When measuring air temperature it is important to ensure the sensor tip is not located in direct sunlight or near other sources of light or heat, to ensure true temperature recordings.

Logging intervals can be chosen by the user from 1 minute to 2 hours, and data is recorded, with date and time, in a simple numerical format which easily opens in Microsoft Excel or similar.

Each logger is provided with batteries, a PC datalead and software free of charge. Mains or solar power options are available on request.



## SPECIFICATIONS

Housing / Weight / Dimensions	Mounting	Memory	Logging Intervals	Communications
<p>Grey ABS</p> <p>Weight - Approx 450g</p> <p>Dimensions (mm)</p> 	<p>Can be mounted in any position</p> <p>Sensor tip should be shaded for accurate temperature measurements</p>	<p>5000 datapoints (e.g. 14.8 weeks logging at 30 minute intervals) 1 datapoint contains date, time plus a reading from each sensor</p>	<p>1, 5, 10, 15, 20, 30, 60, 120 minutes (default setting 30 minutes)</p>	<p>RS232 - will communicate with any PC. Windows software provided free of charge with each logger. Fast offload to save power. Logging interval setup and battery check at the click of a mouse</p>
Data	Power	Clock	Air Temperature	Relative Humidity
<p>Offloaded files are available as standard ASCII format that can be used with most analysis software, 'Excel', etc.</p>	<p>Internal battery life typically up to 6 months with Lithium battery. Standard alkaline battery will provide power up to 10-12 weeks. Optional external power via solar power, 12 volt battery or mains.</p>	<p>Real time year, month, date time clock enabling automatic synchronisation of several units. Clock backed by separate lithium battery - no need to re-set when changing main batteries</p>	<p>Range -55 to +90°C. Resolution 0.06°C. Typical Accuracy better than 0.2°C over -10 to +85°C. Maximum Error 0.5°C.</p>	<p>Proven, reliable capacitive system. True range 0-100%. Accuracy ±2% over the whole range 0-100% RH. Resolution 0.025%. Rapid recovery from condensation. Replaceable or recalibrateable module.</p>

## ORDERING INFORMATION

### HeliosRHT

**SHL 3000/S** HeliosRHT datalogger with RH & Air Temperature sensors

### Accessories

**ACC/5** SolarHog solar power supply

**ACC/9** MainsHog mains power supply

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