

Nomad Data Logger

Single Temperature / Humidity Logger Model HT-HR mark 3

High Resolution

(replaces HT-DL32000)



The HT-HR is a small Single Temperature and Humidity logger housed in a rugged 19.05mm 304 stainless steel case. The logger contains an integral internal temperature probe which is logged separately to humidity. Logging can be configured to, start on time, immediate start, stop when full, loop around (over write oldest data)

Features

- Temperature & Humidity can be set to any combination of Point, Average, Maximum & Minimum readings.
- Temperature can be logged in high resolution or low resolution mode.
- Low resolution mode is used to increase the number of samples.
- It is recommended that Humidity is always logged in High resolution mode.
- The data from any logger that records Temperature and Relative Humidity can now be processed, by the Onilog software, to add Absolute Humidity and/or Dew Point readings to the data.
- The Logger can be set to stop at a future time
- The logger can be set to log Temperature only, Humidity only or both Temperature and Humidity.
- The battery voltage of the logger can be logged if required.
- The Logger can be run in either “Stop when memory is Full” or “Loop Around” mode.
- The logger can be started “Now” or started at a given time in the future.
- The data from any logger that records Temperature can now be processed, by the Omnilog software, to give daily, weekly and monthly accumulated Grow Degree Day reports for a wide range of horticultural crops

Specifications

General

Working and Storage Temperatures	-30°C to +70°C
Sampling Rate	1 second to 10 hours in 1 second intervals
Storage capacity : single temp Storage capacity: RH & temp	32000 readings single temperature only 16000 readings
Batteries	Two 3.6V lithium cell.
Download time full logger	55 seconds
Battery life	>5 years. Factory replaceable
Battery Status	PC Software displays battery status
Case material	304 Stainless tube / 316 Stainless 60u filter
Screw on end cap	Plated brass
Weight	160g
Size	20mm diameter * 140mm long

Temperature

Resolution	12 Bit
Absolute accuracy	0.3°C
Linear accuracy over range	±0.2°C
Repeatability	±0.1°C
Long term stability	±0.1°C

Relative Humidity

Absolute accuracy	RH 0-60% RH ± 2%
Resolution	1% RH
Temperature Compensated	
Linear accuracy over range	+0.5% RH
Repeatability	+0.5% RH
Long term stability	+1% RH typical at 50%RH in 5 years