

Nomad Data Logger

External Pt100 Temperature Logger Model Pt-HR mark 3

High Resolution

(replaces TT -HR32000)



The Pt-HR is a small Dual Temperature logger housed in a rugged 19.05mm 304 stainless steel case. The logger contains an integral internal temperature probe which is logged separately to external Pt100 temperature probe. Logging can be configured to, start on time, immediate start, stop when full, loop around (over write oldest data)

Features

- Logged Temperatures can be set to any combination of Point, Average, Maximum & Minimum readings.
- The logger can be set to log one Temperature only.
- Temperatures can be logged in high resolution or low resolution mode.
- The battery voltage of the logger can be logged if required.
- Low resolution mode is used to increase the number of samples.
- The Logger can be run in either “Stop when memory is Full” or “Loop Around” mode.
- The Logger can be set to stop at a future time
- 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

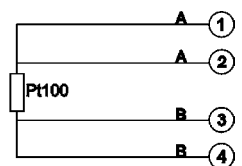
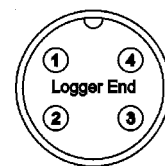
Specifications

General

Canister Temperature	-30°C to +70°C
Sampling Rate	1 second to 10 hours in 1 second intervals
Storage capacity :	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
External PT100 temperature span	-60 ~ 220C



Pinouts for 4 wire Pt100 external probe:

- Pin 1 = B
- Pin 2 = B
- Pin 3 = A
- Pin 4 = A

Pinouts for 3 wire Pt100 external probe:

- Pin 1 = B
- Pin 2 = B
- Pin 3 = A
- Pin 4 = Link to 3

Pinouts for 2 wire

- Pin 1 = Link to pin 2
- Pin 2 = B
- Pin 3 = A
- Pin 4 = Link to pin 3