

## Guardian Ambient Sensor Technical Specification



The Guardian RF Temperature Logger/Transmitter has a range of up to 100 metres (line of sight), an unlimited number of wireless loggers can be utilised at any one time using the Guardian systems Base Stations.

The Guardian temperature logger incorporates an internal NTC thermistor sensor. It records temperature over the range of -40 to 85 °C and can record store up to 16000 readings.

These RF loggers are housed in a waterproof, ergonomic case that is designed to meet IP66/67 protection. Each RF logger is a self-contained, battery powered unit that can receive, log, store and transmit data to the RF receiver.

### Specification

range internal

resolution

accuracy

memory

sample rate

antenna

RF range

transmission rate

radio frequency

battery

battery life

display

dimensions

weight

### Ambient Wireless Temperature Sensor

-40 to 85 °C

0.1 °C or °F selectable

±0.5 °C

16000 readings

0.1 to 255 minutes

internal 50 mW omni-directional multi layer chip

<100 metres line of sight

0.1 to 255 minutes

868 MHz (licence free)

3.6 volt ½ AA lithium

approximately 18 months

2 LED's

76 x 23 mm

80 grams approximately - model dependant