

Guardian Ambient Sensor Technical Specification



The Guardian RF Temperature Logger/Transmitter has a range of up to 90 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 sensor. It records temperature over the range of -30 to 80 °C.

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 and transmit data to the Guardian Base Station.

Specification

range internal
resolution
accuracy
sample rate
antenna
RF range
transmission rate
radio frequency
battery
battery life
dimensions
weight

Ambient Wireless Temperature Sensor

-30 to 80 °C
±0.5 °C to 1°C
±0.5 °C
45 seconds
internal 50 mW omni-directional multi layer chip
<90 metres line of sight
45 seconds
433 MHz (licence free)
2 x AAA battery
approximately 9-12 months
130 x 68 x 50 mm
80 grams approximately - model dependant