

## 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