

Guardian External 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 Guardian Base Stations.

The External Sensor RF Wireless Temperature Logger incorporates an external thermistor sensor with a choice of a 0.5, 5 or 10 metre PUR/PVC lead and probe connector that measures over the range of -30 to 80 °C.

The RF loggers are housed in a waterproof 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 RF receiver.

Specification

range external	-30 to 80 °C
resolution	±0.5°C to 1°C
accuracy	±0.5 °C
sample rate	45 seconds
antenna	internal 50 mW omni-directional multi layerchip
RF range	<90 metres line of sight
transmission rate	45 seconds
radio frequency	433 MHz (licence free)
battery	2 x AAA Batteries
battery life	approximately 9 - 12 months
dimensions	130 x 68 x 50 mm
weight	80 grams approximately - model dependant