

Guardian External 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 Guardian Base Stations.

The External Sensor RF Wireless Temperature Logger incorporates an external thermistor sensor with a one metre PUR/PVC lead and probe connector that measures over the range of -40 to 125 °C.

The 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.

Options include for the external temperature sensor/ probe/s. The external probes can be either fixed or detachable via a waterproof three-pin connector. The remote temperature probes are supplied with a one metre PVC/PFA (fixed) or PUR/PVC (detachable) lead.

Specification

range external	-40 to 125 °C
resolution	0.1 °C or °F selectable
accuracy	±0.5 °C
memory	16000 readings
sample rate	0.1 to 255 minutes
antenna	internal 50 mW omni-directional multi layerchip
RF range	<100 metres line of sight
transmission rate	0.1 to 255 minutes
radio frequency	868 MHz (licence free)
battery	3.6 volt ½ AA lithium
battery life	approximately 18 months
display	2 LED's
dimensions	76 x 23 mm
weight	80 grams approximately - model dependant