



### Features

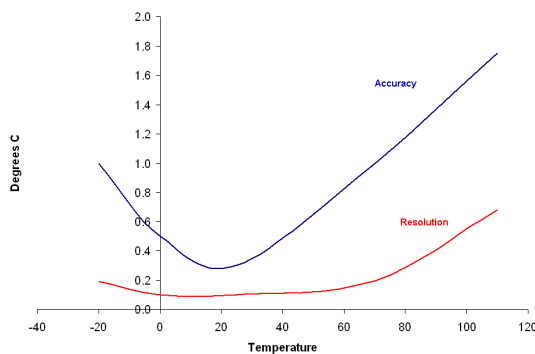
<b>Radio Frequency</b>	869.8MHz (EU Version)
<b>Radio Power</b>	3mW
<b>Radio Range</b>	100m, Typical (Line of sight).
<b>Radio Licence</b>	No Licence Required
<b>Memory type</b>	Non Volatile
<b>Logging Interval</b>	2 minutes to 10 days
<b>Offline Capacity</b>	One Week, at a Typical 8 Minute Logging Interval (see notes)
<b>Alarms</b>	2 Programmable Latching Alarms (Upper and Lower) per Channel
<b>Low Battery Monitor</b>	Software Warning

### Reading Specification

The following information applies to both channels.

<b>Reading Range</b>	-20°C to +110°C (-4°F to +230°F)
<b>Sensor Type</b>	10K NTC Thermistor (External probe)

### Reading Resolution and Accuracy



The overall accuracy quoted above includes a thermistor probe.

### Physical Specification

<b>IP Rating</b>	IP67 water-proof
<b>Operational Range*</b>	-15°C to +60°C (-5°F to +140°F)
<b>Case Dimensions</b>	
<b>Height (Including Aerial)</b>	140mm / 5.51"
<b>Width</b>	155mm / 6.10"
<b>Depth</b>	80mm / 3.15"
<b>Weight</b>	280g / 9.88oz

\*The Operational Range indicates the physical limits to which the unit can be exposed, not the reading range over which it will record.

### Notes

**Battery Type** Tekcell SB-AA11 or SAFT LS14500 AA 3.6V Lithium (x2)

**Battery Life** 6 Months, typical\*

\*Battery life is dependant on the logging interval set and the number of loggers in a network. The above figure is quoted for a typical 8 minute logging interval and a network containing 50 loggers or less.

A low battery warning will be displayed in the Tinytag Explorer software when the unit's battery needs replacing.

Data stored on the logger will be retained after a battery is replaced.

Batteries should be replaced in pairs.

If used at low temperatures the data logger should be allowed to warm to room temperature before it is opened to avoid condensation forming inside the unit.

The Offline Capacity of the logger is an indication of how much data the unit can store when it cannot communicate with a receiver.

The two probe channels are identified by labels next to the probe connectors.

### Calibration

This unit is configured to meet Gemini's quoted specification during its manufacture.

We recommend that the calibration of this unit should be checked annually against a calibrated reference meter.

A UKAS traceable certificate of calibration can be supplied for an additional charge either at the point of purchase, or if the unit is returned for a service calibration.

### Approvals

Gemini Data Loggers (UK) Ltd. operates a Quality Management System which conforms to ISO 9001. The scope of the system covers the manufacture, design and supply of data loggers and their associated software, accessories and services.

The radio system is classified as a Short Range Device (SRD) and complies with EC Directive 99/5/EC & the applicable technical requirements of EN300220 and EN301489



### Required Products

To use this data logger you will require:

Two thermistor probes (please contact your supplier for details of the different probes that can be supplied).

**This data logger is designed to be used as a part of a Tinytag Wireless Data Logging System.**

**For further information on this system, and the additional equipment you will require, please see the Tinytag Wireless Data Logging Systems brochure.**