

## Tinytag Talk 2 Temperature Logger (-40 to +85 °C)

### TK-4014

**Issue 3**  
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E&OE

Tinytag Talk 2s are compact, lightweight, economical loggers housed in a 35mm film canister.

These loggers are used in a wide range of applications including fridge monitoring, building condition monitoring and academia.

The TK-4014 is self contained with an internal temperature sensor.

#### Popular Applications

- Building condition monitoring
- Pharmaceutical storage
- Dry food storage
- Museum display and repository



#### Features

- Temperature recorder
- 16,000 reading capacity
- High Accuracy
- High Reading Resolution
- Fast Data Offload
- 2 user-programmable alarms
- Low battery monitor
- User-replaceable battery



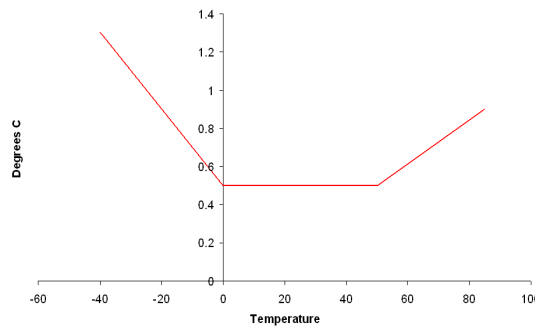


### Features

<b>Total Reading Capacity</b>	16,000 readings
<b>Memory type</b>	Non Volatile
<b>Delayed Start</b>	Relative / Absolute (up to 45 days)
<b>Stop Options</b>	When full After n Readings Never (overwrite oldest data)
<b>Reading Types</b>	Actual, Min, Max
<b>Logging Interval</b>	1 sec to 10 days
<b>Offload</b>	While stopped or when logging in minutes mode
<b>Alarms</b>	2 fully programmable; latchable

### Reading Specification

<b>Reading Range</b>	-40°C to +85°C (-40°F to +185°F)
<b>Sensor Type</b>	10K NTC Thermistor (Internally mounted)
<b>Response Time</b>	25 mins to 90% FSD in moving air
<b>Reading Resolution</b>	0.05°C or better
<b>Accuracy</b>	



### Physical Specification

<b>IP Rating</b>	IP54 (splash-proof)
<b>Operational Range*</b>	-40°C to +85°C (-40°F to +185°F)
<b>Case Dimensions</b>	
<b>Diameter</b>	34mm / 1.34"
<b>Height</b>	54mm / 2.13"
<b>Weight</b>	30g / 1.06oz

\*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** SAFT LS14250 or LST14250; Tekcell SBAA02P

The logger will operate with other 1/2AA 3.6V Lithium (Li-SOCl<sub>2</sub>) batteries but performance cannot be guaranteed.

**Replacement Interval** Annually

Before replacing the battery the data logger must be stopped.

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

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.

### 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

This equipment complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause any harmful interference, and (2) the device must accept any interference received, including interference that may cause undesired operation.

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.



### Required and Related Products

To use this data logger you will also require one of the following pieces of software:

SWCD-0040: Tinytag Explorer software or  
SW-1500: Easyview Light software or  
SW-0500: Easyview Pro software

and a

CAB-0005: Tinytag Transit/Talk PC Serial Download Cable or  
CAB-0005-USB: Tinytag Transit/Talk USB Download Cable

Further related products:

SER-9510: Talk Service Kit