

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

### TK-4014

#### Issue 6

9th August 2019  
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.

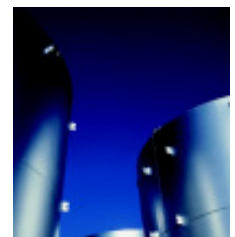
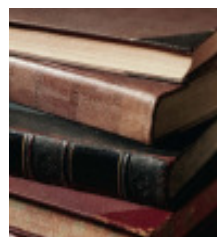
#### Popular Applications

- 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



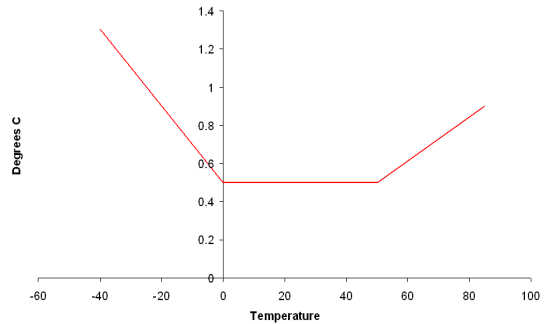


### Features

<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; latching

### 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

The battery fitted in this product is a single cell containing less than 1g of lithium and meets the requirements of the UN Manual of Tests and Criteria, Part III, Subsection 38.3.

**Recommended Battery Types** SAFT LS14250,  
Tekcell SBAA02P or  
Eve ER14250

The logger will operate with other 1/2AA 3.6V Lithium batteries but performance cannot be guaranteed.

**Replacement Interval** Annually

Before replacing the battery the data logger must be stopped.

After removing an old battery from a logger, wait five minutes before inserting the new one.

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 certificate of calibration, traceable to a national standard, 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 Business Management System which conforms to ISO 9001 and ISO 14001.



### Required and Related Products

To use this data logger you will require the following software:

SWCD-0040: Tinytag Explorer software

and a

CAB-0005-USB: Tinytag Transit/Talk USB Download Cable

The SWCD-0040 software and CAB-0005-USB cable can be ordered together in a pack using the part number SWPK-5-USB.

### Further Related Products

SER-9500: Tinytag Data Logger Service Kit