

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

### TK-4014-MED

#### Issue 6

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E&OE

The Tinytag Talk 2 Medical is a simple, cost effective way of monitoring the temperature of pharmaceuticals in fridges, freezers and cool (ambient) storage. Used widely by hospital pharmacies, surgeries and health centres, the logger automatically records and stores a complete temperature history.

The Tinytag Talk 2 Medical has two alarms that can be user set at high and low levels specific to the products being monitored. Breaching these set-points will trip a flashing red light, enabling spot assessment of ongoing temperature levels.

This compact, battery powered unit is reliable and highly accurate. Designed with a temperature response similar to many vaccine formats, it accurately profiles the temperature changes experienced by the pharmaceuticals being monitored.

The recording interval is user defined and with a memory capacity of 16,000 readings this would provide six months of data with a reading every half hour. The temperature history is transferred easily to PC, where Tinytag Explorer will automatically produce a graph and table of the data, creating a permanent record.

#### Typical Applications

- Fridge and freezer monitoring
- Transportation of pharmaceuticals and blood products
- Mobile vaccination programs
- Culture room monitoring

#### Features

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



For pricing or any further information, please contact Omni Instruments Ltd.

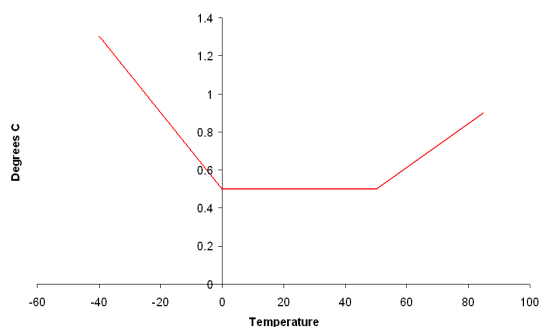


## Features

<b>Total Reading Capacity</b>	16,000 readings
<b>Memory type</b>	Non Volatile
<b>Trigger Start</b>	Magnetic Switch
<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>	0.02 °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