DATA SHEET

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

TK-4014-MED

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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
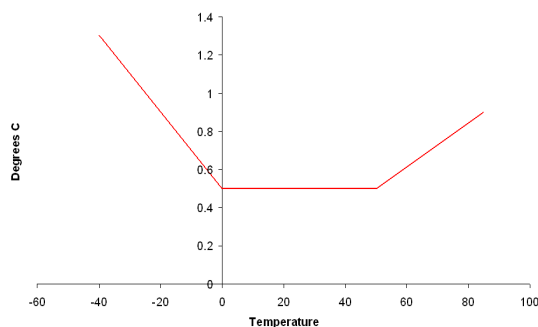- Low battery monitor
- User-replaceable battery

Features

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

Reading Specification

Reading Range	-40℃ to +85℃ (-40℉ to +185℉)
Sensor Type	10K NTC Thermistor
	(Internally mounted)
Response Time	25 mins to 90% FSD in moving air
Reading Resolution	0.02℃ or better
Accuracy	

Physical Specification

IP Rating	IP54 (splash-proof)
Operational Range*	-40℃ to +85℃ (-40℉ to +185℉)
Case Dimensions	
Diameter	34mm / 1.34"
Height	54mm / 2.13"
Weight	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 ½AA 3.6V Lithium (Li-SOCl2) 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 Quality and Environmental Management Systems which conform to ISO 9001 and ISO 14001. The scope of these systems covers the design, manufacture and servicing of data logging and associated equipment, including software.

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-9500: Tinytag Data Logger Service Kit

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