Tinytag Talk 2 Temperature Logger with Thermistor Probe
(-40 to +125°C)

TK-4023

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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 building condition monitoring (especially for pipe work temperatures and air conditioning validation), fridge monitoring and academia.

The TK-4023 is supplied with an external probe allowing fast changing temperatures in difficult to access areas to be accurately tracked.

Popular Applications

- Building condition monitoring
    - Pipe work temperatures
    - Air conditioning validation
- 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

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

Features

Total Reading Capacity	16,000 readings
Memory type	Non Volatile
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

The information below refers to the performance of the data logger when used with the supplied PB-5005-0M6 probe.

Reading Range	-40°C to +125°C (-40°F to +257°F)
Sensor Type	10K NTC Thermistor (external probe)
Reading Resolution	0.05°C or better
Temperature Stability	±0.01°C/°C change from 25°C
Response Time	10 seconds (to 90% FSD) in water

Accuracy
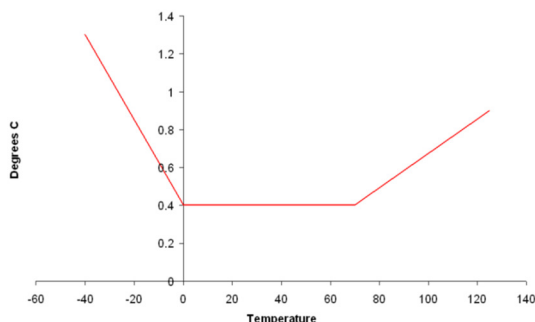
Notes

The battery fitted in this product is a single cell containing less that 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 ½AA 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.
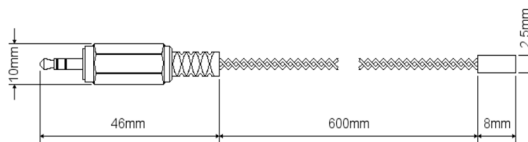
Physical Specification

Logger

IP Rating	IP30 (not water-proof)
Operational Range*	-40°C to +85°C (-40°F to +185°F)
Logger Dimensions	
Diameter	34mm / 1.34"
Height	54mm / 2.13"
Weight	30g / 1.06oz

*The Operational Range of the logger indicates the physical limits to which it can be exposed.

Probe

IP Rating†	IP67
Operational Range†	-40°C to +125°C (-40°F to +257°F)
Dimensions	
Weight	5g / 0.18oz

†Cable and sensor only.

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.

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Required and Related Products

To use this data logger you will also require:

A PB-5005-0M6: Talk Thermistor Probe (*supplied*)

The following software:

SWCD-0040: Tinytag Explorer software

and a

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

Further Related Products

SER-9500: Tinytag Data Logger Service Kit

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

data sheet