

Tinytalk Temperature Logger with PT100 Probe (-50 to +300°C)

TK-0102

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E&OE

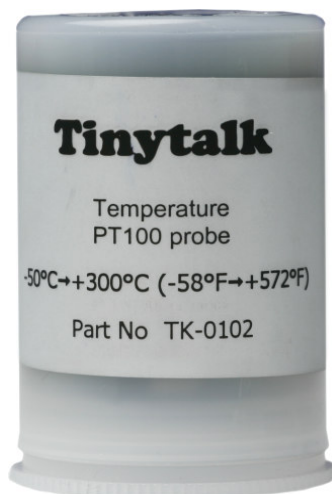
Tinytalks are compact, lightweight, economical loggers housed in a 35mm film canister.

TK-0102 is supplied with a PT100 probe and is aimed at users wishing to record temperatures up to 300 degrees.

The TK-102 is our most cost effective high temperature logging solution, and is particularly useful when space is at a premium.

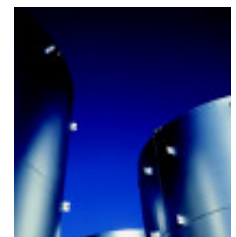
Popular Applications

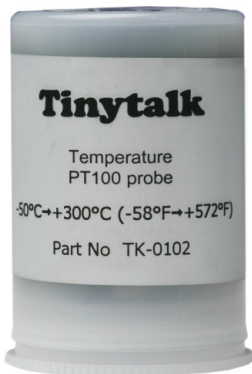
- Food processing and storage
- Pharmaceutical manufacture
- Logistics monitoring



Features

- Temperature recorder
- 1,800 reading capacity
- High Reading Resolution
- Fast Data Offload
- 2 user-programmable alarms
- Low battery monitor
- User-replaceable battery





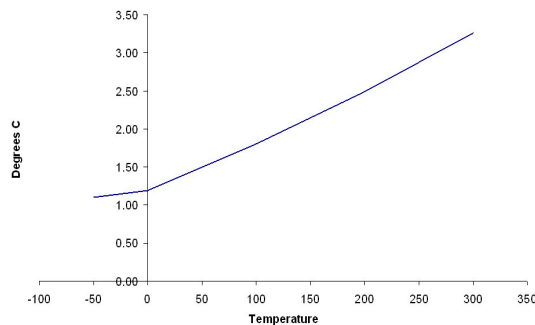
Features

Total Reading Capacity	1,800 readings
Memory type	Non Volatile
Delayed Start	Relative / Absolute (up to 45 days)
Stop Options	When full After n Readings Never (overwrite oldest data)
Logging Interval	1 sec to 4.5 hours
Offload	While stopped

Reading Specification

Reading Range	-50°C to +300°C (-58°F to +572°F)
Sensor Type	PT100 (external probe) BS EN 60751, IEC 60751 Class A
Resolution	0.01°C or better
Temperature Stability	0.015°C/°C change from ambient (25°C)

Accuracy



The above is the accuracy of the data logger when used with the supplied PB-6002-1M5 probe.

Physical Specification

Ingress Protection	IP30 (not water-proof)
Operational Range*	-40°C to +85°C (-40°F to +185°F)
Case Dimensions†	
Diameter	34mm / 1.34"
Height	54mm / 2.13"
Weight	50g / 1.8oz

*The Operational Range indicates the physical limits to which the unit can be exposed, not the reading range over which it will record.

†The Case Dimensions do not include the PB-6002-1M5 (supplied).

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 Every two years

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.

This product is manufactured by Gemini Data Loggers (UK) Ltd to BS EN ISO9001:2000 (Certificate No. 6134).



Required and Related Products

To use this data logger you will also require:

A PB-6002-1M5: Tinytalk PT100 probe (supplied)

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

Further related products:

SER-9510: Talk Service Kit