

Tinytalk Internal Temperature (-30 to +50°C)

TK-0040

Issue 8
7th April 2006
E&OE

Tinytalks 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-0040 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
- 1,800 reading capacity
- User-programmable logging interval
- 3 stop options
- Splash proof case
- User-replaceable battery





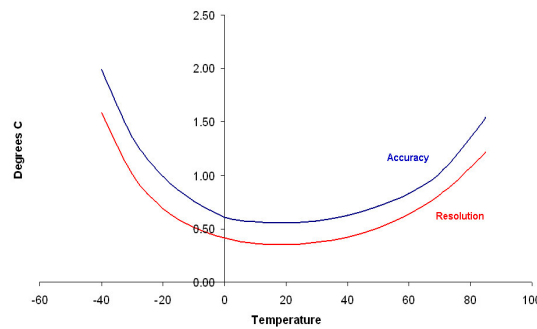
Features

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	-30°C to +50°C (-22°F to +122°F)
Sensor Type	10K NTC Thermistor (Internally mounted)
Response Time	40 mins to 90% FSD in moving air

Reading Resolution and Overall Accuracy



Physical Specification

IP Rating	IP54 (splash-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.

Notes

Battery Type SAFT LST14250 3.6v ½AA
Lithium Cell

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:

SWCD-0040: Tinytag Explorer software
or
SW-1500: Easyview Light software
or
SW-0500: Easyview Pro software

and a
CAB-0005: Tinytag Transit / Tinytalk PC Serial Download Cable

Further related products:

CAB-USB: USB to Serial Converter
SER-9510: Tinytalk Service Kit