Gemini
DATA LOGGERS

Tinytag

Tinytag Transit
Internal Temperature
(-30 to +50 ℃)

TG-0050

Issue 10
17th June 2008
E&OE

Designed with transport in mind, Tinytag Transits are robust lightweight temperature monitoring solutions.

Used on trucks, airplanes and ships to monitor shipments of ethical drugs, foodstuffs and many other products.

The TG-0050 connects to a PC using a low-cost download cable.

Popular Applications

• Pharmaceutical transportation

• Dry goods transportation

• Environmental monitoring

Features

• Low cost temperature recorder
• BS EN 12830 Compliant (S; T; C; D; 1)
• 7,900 reading capacity (see Features)
• User-programmable logging interval
• 2 user-programmable alarms
• Delayed and trigger start options
• 3 stop options
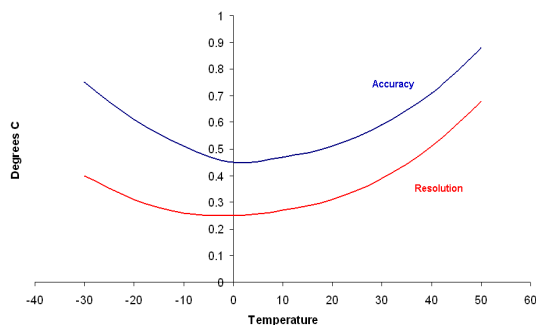• Splash proof case
• User-replaceable battery

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Features

Total Reading Capacity	7,900 readings (SN 372967 & above)
	1,800 readings (below SN 372967)
Memory type	Non Volatile
Trigger Start	Push Button 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; latch-able

Reading Specification

Reading Range	-30℃ to +50℃ (-22℉ to +122℉)
Sensor Type	10K NTC Thermistor
	(Internally mounted)
Response Time	10 mins to 90% FSD in moving air

Reading Resolution and Overall Accuracy

Physical Specification

IP Rating	IP54 splash proof (see notes)
Operational Range*	-40℃ to +85℃ (-40℉ to +185℉)
Case Dimensions	
Diameter	60.2mm / 2.38"
Thickness	15.3mm / 0.6"
Hanging Tab	Extra 12mm / 0.47"
Mounting Hole	6mm / 0.24" (diameter)
Weight	26g / 0.92oz

*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	Keeper II LTC-7PN-S4 3.6V Lithium (Li-SOCl2) battery
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.

The unit's case becomes brittle at low temperatures. Allow to warm to room temperature before opening to prevent damage to the case and to avoid condensation forming inside the unit.

The IP54 rating is valid only when the unit's cover is fitted.

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 logger complies to BS EN 12830, between -30 and +30℃, in the following categories:

S; T; C; D; 1

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 a Quality Management System which conforms to BS EN ISO 9001:2000. The scope of the system covers the manufacture, design and supply of data loggers and their associated software, accessories and services.

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Required and Related Products

To use this data logger you will also require:

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

and a

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

Further related products:

CAB-0005: Tinytag Transit / Talk PC Serial Download Cable
SER-9512: Tinytag Transit (TG-0050) Service Kit (battery only)

data sheet