# Gemini
## DATA LOGGERS

# Tinytag

# Tinytag Transit
# Internal Temperature
# (-30 to +50°C)

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.

## TG-0050

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### Popular Applications

• Pharmaceutical transportation

• Dry goods transportation

• Environmental monitoring



### Features

• Low cost temperature recorder
• 1,800 reading capacity
• User-programmable logging interval
• 2 user-programmable alarms
• Delayed and trigger start options
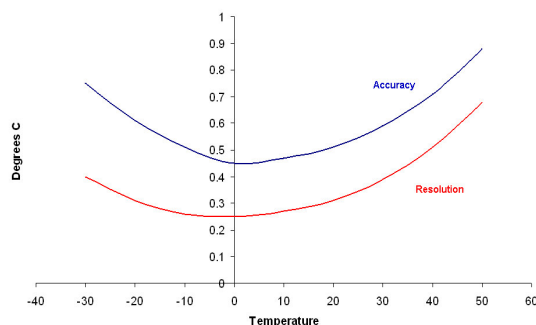• 3 stop options
• Splash proof case
• User-replaceable battery

## Features

| | |
|---|---|
| **Total Reading Capacity** | 1,800 readings |
| **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°C to +50°C  (-22°F to +122°F) |
| **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°C to +85°C (-40°F to +185°F) |
| **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** | 3.6v Keeper 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 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-9512: Tinytag Transit (TG-0050) Service Kit (battery only)

data sheet