Gemini Data Sheet

Features

Memory Size :	2k (Non-volatile)
No. of Readings :	1800
Resolution :	8 bit
Delayed Start :	Relative / Actual up to 45 days
Stop Options :	When Full After n Readings Never (Wrap around)
Reading Types :	Actual, Min, Max.
Logging Interval :	1 sec to 10 days
Offload :	While stopped or when logging in minute multiples
Alarms :	Two, fully Programmable
Functional Range :	-40°C to +85°C / -40°F to +185°F
IP Rating :	IP54 splashproof
Battery Life :	Up to 5 years

Notes:
Battery replacement recommended every 2 years. It may be replaced with Saft 3.7V 1/2AA Lithium cells. Stop the unit logging before replacing the battery.

Sensor Details

Range :	-40°C to +85°C / -40°F to +185°F
Sensor Type :	10k NTC Thermistor (Encapsulated)
Sensor location :	Internally mounted
Response Time :	3 min to 90% (Approx)
Sensor accuracy :	± 0.2°C / ± 0.36°F From 32°F to 158°F/ 0°C to 70°C
Resolution :	0.4°C at +25°C / 0.72°F at +77°F

Mechanical Data

Case Style : IP54 Plastic shell

Case Dimensions

Height :	72mm / 2.83
Width :	60mm / 2.36
Depth :	33mm / 1.3
Weight :	50g / 1.8 oz.

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) this device must accept any interference received, including interference that may cause undesired operation.

This product is manufactured by Gemini Data Loggers (UK) Ltd. to EN ISO 9002 part 2 (Certificate No. 6134), and is CE approved to EN50081 part 1:1992 and EN50082 part 1 and 2:1992/95 with any standard leads or probes supplied.

NAMAS traceable calibration certificates are available on individual units.

Special Notes

When using the units at low temperatures, condensation may form. Before opening the case for any reason, allow the units to reach room temperature.

The IP54 rating is only valid when the rubber connector cap is fitted and the unit is oriented with the hanging tab uppermost.

Interface Information and Related Products

To use your Tiny Data Logger you will require:
Tinytag interface cable (CAB-0007), PC with GLM for Windows™ (SW-0009) or Easyview for Windows 95™ (SW-0500); or
Psion handheld computer, with Tinylink version 2.0 or above (SW-1101) and suitable cable (See Tinylink Data Sheet).

Further Related Products:

SER-9515	Tinytag Ultra 2K Service Kit including battery and seal
DWG-ULTRA	Drawing with detailed dimensions of Tinytag Ultra casing
TGU-0020	Tinytag Ultra Range G for standard probe: for liquids, remote sensing and faster response time
TGU-0050	Tinytag Ultra Range H (-30°C to +50°C / -22°F to +122°F) narrower range but better resolution.

Applications

Education   Transportation   Manufacturing