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 : 0°C to 85°C / 32°F to 185°F
IP Rating : IP54 splashproof
Battery Life : Up to 2 Years

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

*Functional Range describes the range over which the logger will function, **not** the sensor range over which it will record.

Sensor Details

Range : -50°C to +300°C / -58°F to +572°F
Sensor Type : PT100 Probe PB-3225
Resolution : 1°C at 0°C / 1.8°F at 32°F

This logger is designed for a probe with the most widely used α value of 0.00385, known as the 'European Curve.

See specific data sheet on PB-3225 for response time and other characteristics.

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.

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.

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 and sensor probe are both securely 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:
PT100 sensor probe (PB-3225)
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-0050   Tinytag Ultra Range H with internal sensor
TGU-0020   Tinytag Ultra Range G for Standard probe (-40°C to +125°C / -40°F to +257°F)

Applications

Education   Pharmaceuticals   Manufacturing