Gemini Data Sheet

Features

Memory Size	32k (Non-volatile)
No. of Readings	16000 (approx)
Resolution	12 bit
Trigger Start	Magnetic reed switch
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	IP68 waterproof
Battery Life	Up to 5 years

Notes:
Battery replacement is 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

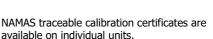|	
Range	-40°C to +85°C / -40°F to +185°F
Sensor Type	10k NTC Thermistor (Encapsulated)
Sensor location	Internally mounted
Response Time	1.5 min to 90% (in water) 25 min (in air)
Sensor accuracy	± 0.2°C / ± 0.36°F From 32°F to 158°F/ 0°C to 70°C
Resolution	0.03°C at 25°C / 0.054°F at 77°F

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 : IP68 Style

Case Dimensions
Height : 34mm / 1.34
Width : 51mm / 2.05
Depth : 80mm / 3.15
Weight : 110g / 3.9 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 IP68 rating is only valid to depths of 50ft (15m) and only when the connector cap is securely fitted.

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 3.0 or above (SW-1101) and suitable cable (See Tinylink Data Sheet).
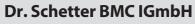
Further Related Products:
ACS-6000   Trigger Start Magnet
SER-9532   Tinytag Plus Service Kit including battery, seal and silica gel pack.
TG12-0020   Tinytag Plus High Resolution Range G (-40°C to +125°C / -40°F to +257°F) for standard probe.

Applications

Pharmaceuticals
Research