



### Mechanical Data

Case Style : IP68 Style

#### Case Dimensions

Height : 34mm / 1.34  
Width : 59mm / 2.32  
Depth : 80mm / 3.15  
Weight : 110g / 3.9 oz.

### Features

Memory Size : 32k (Non-volatile)  
No. of Readings : 16000 per channel (approx)  
Resolution : 8 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 4 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.

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

### Sensor Details

#### CHANNEL 1: Temperature Range H

Range : -30 » 50°C / -22 » 122°F  
Sensor Type : 10k NTC Thermistor (Encapsulated)  
Sensor location : Internally Mounted  
Response Time : 1.5 min to 90% (water)  
Sensor accuracy : ± 0.2°C (0°C to 50°C) / ± 0.36°F (32°F » 122°F)  
Resolution : 0.25°C at 0°C / 0.45°F at 32°F

#### CHANNEL 2: Range H Standard Probe

Range : -30 » 50°C / -22 » 122°F  
Sensor Type : Standard Probe with 10k NTC Thermistor  
Resolution : 0.25°C at 0°C / 0.45°F at 32°F  
Sensor Probe choice depends on the application. See individual data sheets for detailed probe specifications.

### 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 IP68 rating is only valid to depths of 50ft (15m) and only when the connector cap and sensor probe are securely fitted.

### Interface Information and Related Products

#### To use your Tiny Data Logger you will require:

A suitable sensor probe for your application. (Includes PB-4724, PB-4730, PB-4750, PB-4770). See individual data sheets for details.  
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.  
TGP-1500 Tinytag Plus Range H / Relative Humidity, two channel logger.

### Applications