



### Features

Memory Size : 16k (Non-volatile)  
 No. of Readings : 16000 (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 : 0°C → 85°C / 32°F → 185°F  
 IP Rating : IP68 waterproof  
 Battery Life : Up to 2 Years

### Sensor Details

Range : -50°C → +300°C / -58°F → +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  $\alpha$  value of 0.00385, known as the 'European Curve'.

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

### 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.

#### Notes:

Battery replacement recommended once a year. It may be replaced with Saft 3.6V 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.

### 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 BS EN ISO 9001:2000 (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 a depth of 50ft (15m), and only when the connector cap and sensor probe are both securely fitted.

### Interface Information and Related Products

#### To use your Tinytag Plus PT100 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).

#### Further Related Products:

ACS-6000 Trigger Start Magnet

SER-9530 Tinytag Plus/I.S. Service Kit including battery, seal and silica gel pack..

TGP-0204 Tinytag Plus Temperature for PT1000 Probe (-200°C to +100°C / -328°F to +212°F) cryogenic temperature range

TG12-0020 Tinytag Plus Range G for Standard probe (-40°C to +125°C / -40°F to +257°F) 12-bit high resolution

