



### 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 : 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 : -40°C → +85°C / -40°F → +185°F  
IP Rating : IP68 waterproof  
Battery Life : Up to 5 years

#### Notes:

Battery replacement recommended every 2 years. It may be replaced with Saft 3.6V 1/2AA Lithium cells. Stop the unit logging before replacing the battery.

### Input Specification

Range : 0 → 20mA  
Maximum Input : 50mA  
Input Impedance : 10 ohms  
Resolution : 0.08mA  
Accuracy : ± 0.1mA ± 0.6% of reading

#### Note:

This logger forms part of the Tinytag Plus Re-educatable range. It can be used with the factory set units, 0 to 20mA, or with Re-Educator Software it can be changed to suit the range and units of the particular sensor to be attached.

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

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

### Interface Information and Related Products

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

Tinytag current/millivolt/count input lead (CAB-3246) or 2-pin plug only (ACS-9700);  
Tinytag interface cable (CAB-0007), PC with GLM for Windows™ (SW-0009) or Easyview for Windows 95™ (SW-0500).  
To change ranges and/or units you will need a PC, with Re-Educator Software V2.2 or above (SW-0506) and interface cable CAB-0007.

#### Further Related Products:

ACS-6000 Trigger Start Magnet  
SER-9530 Tinytag Plus/I.S. Service Kit including battery, seal and silica gel pack.  
TGPR-0800 Tinytag Plus Re-ed Current: PCB only, for OEM use.  
TGPR-0805 Tinytag Plus Re-ed XP Current: with internal battery pack for powering customer sensors directly.  
TGPR-1001 Tinytag Plus Re-ed mV: 0 to 200 mV logger