



### 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.

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

### Input Specification

#### 0→2.5V Range

Maximum Input : 3.5V  
Max. input current : ±1uA (typ. ±0.4uA)  
Resolution : 10mV  
Accuracy : ±10mV±0.5% reading

#### 0→10V Range

Maximum Input : 14V  
Input Impedance : 400k ohms  
Resolution : 40mV  
Accuracy : ±40mV±1% reading

#### 0→25V Range

Maximum Input : 35V  
Input Impedance : 1Megohm  
Resolution : 100mV  
Accuracy : ±100mV±1% reading

### 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 2.5V range is factory set. To select the 10V or 25V ranges, there is an internal switch (the O ring seal may need to be replaced when the lid is removed). In addition, Re-educator software is required to change the logger's range look-up table.

### Interface Information and Related Products

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

Tinytag volt input lead (CAB-3239) or 5-pin plug only (ACS-97003);  
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-0700 Tinytag Plus Re-ed Volt: PCB only, for OEM use.  
TGPR-0705 Tinytag Plus Re-ed XP Volt: with internal battery pack for powering customer sensors directly.  
TGPR-1001 Tinytag Plus Re-ed mV: 0 to 200 mV logger