



### Mechanical Data

Case Style : IP65 Brick Style

#### Case Dimensions

Height : 75mm / 2.95"  
Width : 75mm / 2.95"  
Length : 110mm / 4.85"  
Weight : 700g / 24.7 oz.

### Features

Memory Size : 16k (Non-volatile)  
No. of Readings : 15900 (approx)  
Resolution : 8 bit  
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 minute to 10 days  
Offload : While stopped or  
when logging  
Alarms : Two, fully  
Programmable  
Functional Range : -20°C → +50°C /  
-4°F → +122°F  
IP Rating : IP65 splashproof  
Logger Battery Life : Up to 5 Years  
XP Power output : 12V, 50mA Typ.  
XP battery capacity : 2700mAh Typ.

#### Notes:

Logger Battery replacement is recommended every 2 years. It may be replaced with Saft 3.6V 1/2AA Lithium cell. Stop the unit logging before replacing the logger battery.  
XP Batteries: 8 x AA 1.5V Alkaline cells.

### 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 1:1992 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 IP65 rating is only valid when the connector cap and sensor cable are securely fitted.

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

### Interface Information and Related Products

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

Tinytag volt/XP input lead (CAB-3239) or 5-pin plug only (ACS-9703);  
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:

SER-9540 Tinytag Plus Re-ed XP Service Kit including batteries, seal and silica gel pack  
TGPR-0700 Tinytag Plus Re-ed Volt: PCB only, for OEM use  
TGPR-0704 Tinytag Plus Re-ed Volt: 0 to 2.5/10/25V logger  
TGPR-0805 Tinytag Plus Re-ed XP mA: 0 to 20 mA logger with internal battery pack for powering customer sensors directly  
TGPR-1002 Tinytag Plus Re-ed XP mV: 0 to 200mV logger with internal battery pack for powering customer sensors directly