



### Features

Memory Size : 2k (Non-volatile)  
No. of Readings : 1800  
Resolution : 8 bit  
Delayed Start : Relative / Actual  
up to 45 days  
Stop Options : When Full  
After n Readings  
Never (Wrap around)  
Reading Types : Actual  
Logging Interval : 1 sec to 4.5 hours  
Offload : When not logging  
Functional Range : -40°C → +85°C /  
-40°F → +185°F  
IP Rating : IP20  
Battery Life : Up to 5 years

### Input Specification

#### 0-2.5V Range

Maximum Input : 3.5V  
Input Impedance : ± 0.4uA leakage  
Resolution : 10mV  
Accuracy : ± 10mV ± 0.5%  
of 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%  
of reading

### Mechanical Data

Case Style : 35mm Film canister

#### Case Dimensions

Diameter : 34mm / 1.34"  
Length : 54mm / 2.13"  
Weight : 30g / 1 oz. (approx.)

#### Notes:

Supplied with connecting lead ready for termination to customers' sensors.

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.

### 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 canister lid must be removed to gain access to the 3.5mm jack socket for the RS232 interface cable.

The 2.5V range is factory set. To select the 10V or 25V ranges, there is an internal switch. In addition, Re-educator software is required to change the logger's range look-up table.

### Interface Information and Related Products

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

Tinytalk interface cable (CAB-0005), 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-0005.

#### Further Related Products:

SER-9510 Tinytalk Service Kit including battery and silica gel pack  
TGPR-0700 Tinytag Plus Re-ed Volt: PCB only, for OEM use.  
TGPR-0704 Tinytag Plus Re-ed Volt  
TGPR-0705 Tinytag Plus Re-ed XP Volt: with internal battery pack for powering customer sensors directly.