



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.

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.

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.

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.

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