



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