Gemini Data Sheet

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 to +85°C / -40°F to +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 3.7V 1/2AA Lithium cells. Stop the unit logging before replacing the battery.

Input Specification

Range : 0 to 200mV
Maximum Input : 500mV
Input Impedance : >10 Megohms
Resolution : 0.8mV
Accuracy : ± 1mV ± 0.5% of reading

Note:
This logger forms part of the Tinytag Plus Re-educatable range. It can be used with the factory set units, 0 to 200mV, or with Re-Educator Software it can be changed to suit the range and units of the particular sensor to be attached.

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 EN ISO 9002 part 2 (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.

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.

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

Interface Information and Related Products

To use your Tiny Data Logger you will require:
Tinytag current/millivolt/count input lead (CAB-3246) or 2-pin plug only (ACS-9700);
Tinytag interface cable (CAB-0007), PC with GLM for Windows™ (SW-0009) or Easyview for Windows 95™ (SW-0500); or
Psion handheld computer, with Tinylink version 2.0 or above (SW-1101) and suitable cable (See Tinylink Data Sheet).
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-9532 — Tinytag Plus Service Kit including battery, seal and silica gel pack
TGPR-1000 — Tinytag Plus Re-ed mV: PCB only, for OEM use.
TGPR-1002 — Tinytag Plus Re-ed XP mV: with internal battery pack for powering customer sensors directly.
TGPR-0804 — Tinytag Plus Re-ed mA: 0 to 20 mA logger

Applications

Pressure — Environmental monitoring