



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 4 Years

Sensor Details

Range : -200°C to +100°C /
-328°F to +212°F
Sensor Type : PT1000 Probe
PB-3230
Resolution : 0.45°C at -200°C /
0.72°F at -328°F

This logger is designed for a probe with the most widely used α value of 0.0385, known as the 'European Curve'.

See specific data sheet on PB-3230 for response time and other characteristics.

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.

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.

Functional Range describes the range over which the logger will function, **not** the sensor range over which it will record.

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. 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.

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 IP68 rating is only valid to a depth of 50ft (15m), and only when the connector cap and sensor probe are both securely fitted.

Interface Information and Related Products

To use your Tinytag Plus PT1000 Data Logger you will require:

PT1000 sensor probe (PB-3230)
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).

Further Related Products:

ACS-6000 Trigger Start Magnet
SER-9532 Tinytag Plus Service Kit including battery, seal and silica gel pack.
TGP-0104 Tinytag Plus Temperature for PT100 Probe (-50°C to +300°C / -58°F to +572°F)
TG12-0020 Tinytag Plus Range G for Standard probe (-40°C to +125°C / -40°F to +257°F) 12-bit high resolution

Applications

Cryogenic Storage