



Mechanical Data

Case Style : Instrument
 Height : 82mm / 3.3"
 Width : 65mm / 2.6"
 Depth : 40mm / 1.6"
 Mounting holes : 4.2mm / 0.16"
 diameter
 70mm / 2.8"
 separation

Features

No. of Readings : 16000 (approx)
 Memory Size : 32k (Non-volatile)
 Resolution : 12 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 Rugged
 Battery Life : Up to 3 years
 Offload Speed : Approx 30 Seconds
 Offload Method : Inductive

Note:

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

Sensor Details

Range : -50°C → +600°C /
 -58°F → +1112°F
 Sensor Type : PT100 Probe 3-wire
 Resolution : <0.2°, -50° → 600°C
 Response Time : Sensor dependent

This logger is designed for a probe with the most widely used α value of 0.00385, known as the 'European Curve'.

See specific data sheet on PB-3260 for response time and other characteristics of our standard 3-wire PT-100 probe.

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.



UKAS traceable calibration certificates are available on individual units.

Special Notes

Battery replacement recommended every 2 years. We recommend using only batteries supplied through your Tinytag distributor.

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 depths of 15m (50ft) and only when using a suitable probe.

Interface Information and Related Products

To use your Tinytag Data Logger you will require:

Tinytag Pad base station (ACS-3020), PC with GLM (SWCD-0009), Easyview Pro (SW-0500) or Easyview Lite (SW-1500).

You will also require a 3-wire PT100 sensor with European Curve specification such as PB-3260 (PB-3260 probe and cable are rated to 600°C).

Further Related Products:

SER-9570 Tinytag Instrument Service Kit including battery, seal and silica gel pack.
 TGI-3140 Tinytag Instrument for 2-wire PT100 probes
 ACS-9701 3 pin connector for using third party 3-wire PT100 sensors