



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
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 Range¹ : -40°C → +85°C /
-40°F → +185°F
IP Rating : IP20 Rugged
Battery Life : Up to 3 years
Offload Speed : Approx 30 Seconds
Offload Method : Inductive

Note:

¹ Functional Range describes the range over which the logger will function, **not** the sensor range over which it will record.

Sensor Detail

Range : -10°C to +1200°C
14°F to 2192°F
Sensor : 'K' Type
Thermocouple probe
Resolution : <0.4°C, -10°C → 1200°C
Response Time : Sensor dependent
Logger Accuracy : ± 2°C / ± 35.6°F
From -10°C → 500°C
± 4°C / ± 39.2°F
From 500°C → 1200°C

The unit includes cold junction temperature compensation.

This unit is supplied with a 2-pin IEC 584 plug for 'K' type thermocouple.

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.

Special Notes

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

When being used at low temperatures units should be allowed to warm to room temperature before they are opened to prevent condensation damaging the data logger.



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 standard 'K' type thermocouple with miniature IEC 584 thermocouple connector.

Further Related Products:

SER-9570 Tinytag Instrument Service Kit including battery, seal and silica gel pack.
ACS-9750 'K' Type thermocouple plug (one supplied with each logger).