



Features

Memory Size : 32k (Non-volatile)
No. of Readings : 16000 (approx)
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 : IP68 Rugged
Battery Life : Up to 3 years
Offload Speed : Approx 30 Seconds
Offload Method : Close Proximity

Note:

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

Sensor Details

Range : -40°C → +85°C /
-40°F → +185°F
Sensor Type : 10k NTC Thermistor
(Encapsulated)
Sensor location : Internally mounted
Response Time : 3 min to 90%
(in water)
25 min (in air)
Sensor accuracy : ± 0.2°C / ± 0.36°F
From 0°C → 70°C /
32°F → 158°F
Resolution : < 0.05°, -38° → 50°C
< 0.15°, 50° → 85°C

Mechanical Data

Case Style : IP-68 Instrument
Height : 82mm / 3.3"
Width : 65mm / 2.6"
Depth : 40mm / 1.6"
Mounting holes : 4.2mm / 0.16"
diameter
70mm / 2.8"
separation

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).

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.

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) or Easyview (SW-0500)

Further Related Products:

SER-9570 Tinytag Instrument Service Kit including battery, seal and silica gel pack.