

Gemini Data Sheet

Tinytag Aquatic

TG-3100

Issue 10: 31st Sept 2003
E&OE



Features

Memory Size : 16k (Non-volatile)
No. of Readings : 8,000 approx
Resolution : 10 bit
Trigger Start : Reed Relay
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
Battery Life² : Up to 2 years
Offload Speed : Approx 20 Seconds
Offload Method : Close proximity

Notes:

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

² The battery is not replaceable.

Sensor Details

Range : -5°C → +45°C /
23°F → +113°F
Sensor Type : 10k NTC Thermistor
(Encapsulated)
Sensor location : Internally mounted
Response Time : 10 min to 90% typ.
(in water)
15 min to 90% typ.
(in air)
Sensor accuracy : ± 0.2°C / ± 0.36°F
From -5°C → 45°C /
23°F → 113°F
Resolution : < 0.2°, -5° → +45°C
< 0.1°, 2° → 20°C

Mechanical Data

Case Style : Fully encapsulated

Case Dimensions

Diameter : 48.5mm / 1.9"
Thickness : 18mm / 0.7"
Hanging tab : extra 12mm / 0.47"
Mounting hole : 6mm / 0.24" diameter
Weight : 100g / 4oz approx.

Special Notes

The battery is not replaceable in this fully encapsulated unit.

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:

Transit base station (ACS-3010) or Tinytag Pad base station (ACS-3020), PC with GLM (SWCD-0009) or Easyview (SW-0500)