Gemini Data Sheet

Features

Memory Size : 2k (Non-volatile)
No. of Readings : 1800 approx
Resolution : 8 bit
Trigger Start : pushbutton 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 : IP54 splashproof
Battery Life : Up to 2 years

Notes:
Battery replacement recommended every year. Use only batteries obtained from your Tinytag supplier. 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.

The IP54 rating is only valid when the logger is lying flat on its base.

Sensor Details

Range : -30°C → +50°C / -22°F → +122°F
Sensor Type : 10k NTC Thermistor (Encapsulated)
Sensor location : Internally mounted
Response Time : 10 min to 90% typ. (in air)
Sensor accuracy : ± 0.2°C / ± 0.36°F From 0°C → 50°C / 32°F → 122°F
Resolution : 0.25°C at 0°C / 0.45°F at 32°F

Note:
The response time can be greatly improved by opening the container. However, great care must be taken to avoid touching the electronics or allowing moisture to come into contact with it.

Mechanical Data

Case Style : flat snap canister

Case Dimensions

Diameter : 60.2mm / 2.38"
Thickness : 15.3mm / 0.6"
Hanging tab : extra 12mm / 0.47"
Mounting hole : 6mm / 0.24" diameter

Weight : 26g / 0.92oz. approx.

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 BE 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.

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 canister lid must be removed to gain access to the 3.5mm jack socket for the RS232 interface cable, operating the trigger start switch, and changing the battery.

Interface Information and Related Products

To use your Tinytag Data Logger you will require:
3.5mm jack interface cable (CAB-0005), PC with GLM for Windows ™ (SW-0009) or Easyview for Windows 95™ (SW-0500).

Further Related Products:
SER-9512   Tinytag Transit Service Kit (replacement battery)
TGU-0073   Tinytag Ultra Range H (-30°C to +50°C / -22°F to +122°F) for external sensor probe- remote sensing & faster response time
TGU-0017   Tinytag Ultra Range G (-40°C to +125°C / -40°F to +257°F) with internal sensor- lower resolution but wider range.
TGP-0050   Tinytag Plus Range H (-30°C to +50°C / -22°F to +122°F) with internal sensor- rugged waterproof case