Mechanical Data

Case Style : IP-68 Instrument
Height : 82mm / 3.3"
Width : 60mm / 2.6"
Depth : 40mm / 1.6"
Mounting holes : 4.2mm / 0.16"
diameter
70mm / 2.8"
separation

Features

Memory Size : 16k (Non-volatile)
No. of Readings : 7900 per channel (approx)
Resolution : 8 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 waterproof
Battery Life : Up to 3 years
Offload Speed : Approx 30 Seconds
Offload Method : Close proximity

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

Sensor Details

Both sensors :
    Range G for Standard Probe

Range : -40 → +125°C
-40°F → +257°F
Sensor Type : Standard Probe with 10k NTC Thermistor
Resolution : 0.4°C at +25°C / 0.72°F at +77°F

The probes are identified by colour band on input sockets.

Choice of each probe depends on the application. See individual data sheets for detailed probe specifications.

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 replacement batteries from 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) when all connectors are securely covered with caps or suitable approved probes are connected.

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)

You will also require two Standard Thermistor Probes such as PB-4724, PB-4730, PB-4750, PB-4770.

Further Related Products:
SER-9560   Tinytag Extra Service Kit including battery, seal and silica gel pack.