Features

Memory Size : 2k (Non-volatile)
No. of Readings : 1800
Resolution : 8 bit
Delayed Start : Relative / Actual
up to 45 days
Stop Options : When Full
After n Readings
Never (Wrap around)
Reading Types : Actual
Logging Interval : 1 sec to 4.5 hours
Offload : When not logging
Functional Range : -40°C → +85°C /
-40°F → +185°F
IP Rating : IP20 splashproof
Battery Life : Up to 5 years

Notes:
Battery replacement recommended every 2 years. It may be replaced with Saft 3.6V 1/2AA Lithium cells. Stop the unit logging before replacing the battery.

Sensor Details

Range : -40°C → +85°C /
-40°F → +185°F
Sensor Type : 10k NTC Thermistor
(Encapsulated)
Sensor location : Internally mounted
Response Time : 5min to 90% (water)
40 min to 90% (air)
Sensor accuracy : ± 0.2°C / ± 0.36°F
From 32°F → 158°F/
0°C → 70°C
Resolution : 0.4°C at +25°C /
0.72°F at +77°F

Note:
The response time can be greatly improved by removing the logger PCB from the canister. However, great care must be taken to avoid touching the PCB or allowing moisture to come into contact with it.

Mechanical Data

Case Style : Splashproof 35mm
Film canister

Case Dimensions
Diameter : 34mm / 1.34"
Length : 54mm / 2.13"
Weight : 30g / 1 oz. (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 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.

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.

Interface Information and Related Products

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

Further Related Products:
SER-9510   Tinytalk Service Kit including battery and silica gel pack
TK-0023   Tinytalk Range G (-40°C to +125°C / -40°F to +257°F) with external sensor probe for remote sensing & faster response time
TK-0040   Tinytalk Range H (-30°C to +50°C / -22°F to +122°F) Less range but higher resolution.