



Features

Memory Size : 32k (Non-volatile)
 Display : 4 digits + indicators
 No. of Readings : app. 15000 / channel
 Resolution : 8 bit
 Trigger Start : Magnetic reed switch
 Delayed Start : Relative / Actual
 up to 45 days
 Stop Options : After n Readings,
 When Full, Never
 Reading Types : Actual, Min, Max.
 Logging Interval : 1 sec to 10 days
 Offload : While stopped or
 when logging in
 minute multiples
 Alarms : 2 Fully programmable
 * Functional Range : -20°C → +70°C /
 -4°F → +158°F
 IP Rating : IP65 (see notes)
 Battery Life : Up to 3 years

Sensor Details

Sensor 1: Temperature Range H Int.
 Range : -30→50°C / -22→122°F
 Sensor Type : 10k NTC Thermistor
 Sensor Location : Top of unit under dome
 Response Time : 1.5 min to 90% (water)
 Sensor Accuracy : ± 0.2°C (0°C → 50°C) /
 ± 0.36°F (32°F → 122°F)
 Resolution : 0.25°C at 0°C /
 0.45°F at 32°F
 Display resolution : 0.5°C / 1°F

Sensor 2: Range H Standard Probe
 Range : -30→50°C / -22→122°F
 Sensor Type : Standard Probe with
 10k NTC Thermistor
 Logger Resolution : 0.25°C at 0°C /
 0.45°F at 32°F
 Display Resolution : 0.5°C / 1°F
 Choice of probe depends on the application.
 See individual data sheets for detailed
 probe specifications.

Mechanical Data

Case Style : IP65 noryl
 Colour : Blue/orange food grade

Diameter : 60mm / 2.36"
 Length : 84mm / 3.31"
 Width : 76mm / 2.99"
 Depth : 35mm / 1.38"
 Weight : 85g / 3 oz.

Notes:

Battery replacement is recommended every 12 months. It may be replaced with Saft 3.6V 1/2AA Lithium cells. 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 display may not be as clear at extremes of temperature.

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 IP65 rating is only valid when the connector cap and sensor probe are both securely fitted.

Tinyview has the ability to remind the user when calibration is due. The unit can be given a yearly or 6 monthly calibration service, which includes certificate, new battery and seals along with re-setting of the calibration reminder indicator to the next calibration due date.

Interface Information and Related Products

To use your Tiny Data Logger you will require:

A suitable sensor probe for your application. (Includes PB-4724, PB-4730, PB-4750, PB-4770). See individual data sheets for details.
 Tinytag interface cable (CAB-0007), PC with GLM for Windows™ (SW-0009) or Easyview for Windows 95™ (SW-0500).

Further Related Products:

ACS-6000 Trigger Start Magnet
 SER-9550 Tinyview Service Kit including battery, seal and silica gel pack.
 TV-0073 Tinyview Range H (-30°C to +50°C / -22°F to +122°F) for Standard probe
 TV-0076 Tinyview Range H (-30°C to +50°C / -22°F to +122°F) with stab probe for taking core temperatures