



### Features

Memory Size : 16k (Non-volatile)  
No. of Readings : 7900 per channel  
Resolution : 8 bit  
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 to +85°C /  
-40°F to +185°F  
IP Rating : IP54 splashproof  
Battery Life : Up to 4 years

### Sensor Details

**CHANNEL 1: Temperature Range H**  
Range : -30 » 50°C / -22 » 122°F  
Sensor Type : 10k NTC Thermistor  
(Encapsulated)  
Sensor location : Internally Mounted  
Response Time : 3 min to 90% (Approx)  
Sensor accuracy : ± 0.2°C (0°C to 50°C) /  
± 0.36°F (32°F » 122°F)  
Resolution : 0.25°C at 0°C /  
0.45°F at 32°F

**CHANNEL 2: Range G Standard Probe**  
Range : -40 » 125°C / -40 » 257°F  
Sensor Type : Standard Probe with  
10k NTC Thermistor  
Resolution : 0.4°C at +25°C /  
0.72°F at +77°F

Sensor Probe choice depends on the application. See individual data sheets for detailed probe specifications.

### Mechanical Data

Case Style : IP54 Plastic shell

#### Case Dimensions

Height : 72mm / 2.83  
Width : 60mm / 2.36  
Depth : 33mm / 1.3  
Weight : 50g / 1.8 oz.

#### Notes:

Battery replacement is recommended every 2 years. It may be replaced with Saft 3.7V 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.

### 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 within the Orion Group to ISO EN 9002 part 2 (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 IP54 rating is only valid when the rubber connector cap and sensor probe are securely fitted and the unit is oriented with the hanging tab uppermost.

### 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); or  
Psion handheld computer, with Tinylink version 3.0 or above (SW-1101) and suitable cable (See Tinylink Data Sheet).

#### Further Related Products:

SER-9520 Tinytag Ultra Service Kit including battery and seal  
DWG-ULTRA Drawing with detailed dimensions of Tinytag Ultra casing  
TGU-1500 Tinytag Ultra Range H / Relative Humidity, two channel logger.

### Applications

Air conditioning      Ventilation      Distribution