



### 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.

### Features

Memory Size : 16k (Non-volatile)  
 Display : 4 digits + indicators  
 No. of Readings : 14800 (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 to +85°C /  
 -40°F to +185°F  
 Display Functions : -20°C to +70°C /  
 -4°F to 158°F  
 IP Rating : IP65 splashproof  
 Battery Life : Up to 3 years

#### 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.

### Sensor Details

Range : -40°C to +125°C /  
 -40°F to +257°F  
 Sensor Type : Standard Probe with  
 10k NTC Thermistor  
 Logger resolution : 0.4°C at +25°C /  
 0.72°F at +77°F  
 Display resolution : 0.5°C /

Sensor Probe choice 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 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 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); or Psion handheld computer, with Tinylink version 2.0 or above (SW-1101) and suitable cable (See Tinylink Data Sheet).

#### 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

### Applications

Applications requiring the meeting of Food Directive 92/1, such as E18-150.  
 Liquid baths Chillers Air conditioning