



### 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 : -20°C to +85°C /  
-4°F to +185°F  
Display Functions: up to 70°C / 158°F  
IP Rating : IP65 splashproof  
(see special notes)  
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 limits to which the datalogger may be subjected, **not** the range over which it will record.

### Sensor Details

Range : 0 to 100% RH  
Sensor Type : Capacitive  
Sensor Accuracy :  $\pm 3\%$  at 25°C / 77°F  
Temp. Dependency : Low  
Response Time : 10 sec to 90%  
(Non-condensing)  
Logger resolution : Better than 0.5%RH  
Display resolution : 0.5%RH

#### Notes:

The sensor is mounted in the top of the unit. It has excellent long-term performance and can be wetted without damage, however the accuracy will be temporarily impaired and it should be allowed up to 30 minutes to recover. The sensor has good resistance to pollutants, and can be cleaned in de-ionised water or pure isopropanol, **not abrasive detergents**. Surface scratches or residue will compromise the accuracy.

### Mechanical Data

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

#### Case Dimensions

Diameter : 60mm / 2.36  
Length : 88mm / 3.46  
Width : 65mm / 2.56  
Depth : 35mm / 1.38  
Weight : 85g / 3 oz.

### Special Notes

When using the units at low temperatures, condensation may form. Before opening the case, allow the units to reach room temperature. The IP65 rating **does not** include the sensor, and is only valid when the connector cap is 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.

The RH sensor will resist small amounts of the following chemicals: Formaldehyde, Ammonia, Carbon Monoxide, Sulfur Dioxide, Ethylene Oxide, Hydrogen Chloride, Hydrogen Fluoride, Hydrogen Peroxide, Nitrogen Dioxide, Methyl Chloride, Chlorine, Freon, Methanol, Ethanol, Isopropanol and ozone. It also offers resistance to ultraviolet rays. Salt solutions may cause permanent damage as crystals within the porous layers affect moisture levels there.

### 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.

### Interface Information and Related Products

#### To use your Tiny Data Logger you will require:

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 and seal  
TV-0020 Tinyview Temperature Range G (-40°C to +125°C / -40°F to +257°F) for Standard Probe.

### Applications

Greenhouse monitoring      Horticulture      Museums and archives.