



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 : -30°C to +50°C /
-22°F to +122°F
Sensor Type : 10k NTC Thermistor
Sensor Location : In Stab Probe on
Edge of case
Response time : <1 min (water)
Sensor accuracy : $\pm 0.2^\circ\text{C}$ / $\pm 0.36^\circ\text{F}$
From 0°C to 50°C /
32°F to 122°F
Logger resolution : 0.25°C at 0°C /
0.45°F at 32°F
Display resolution : 0.5°C /

Mechanical Data

Case Style : IP65 noryl
Colour : Blue/orange
food grade
Diameter : 60mm / 2.36
Length (incl. Probe) : 150mm / 5.91
Width : 76mm / 2.99
Depth : 35mm / 1.38
Weight : 100g / 3.53 oz.

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 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.

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, seal and silica gel pack.
TV-0020 Tinyview Range G (-40°C to +125°C / -40°F to +257°F) for Standard probe. lower resolution but wider range
TV-0073 Tinyview Range H (-30°C to +50°C / -22°F to +122°F) for Standard probe

Applications

Applications requiring the meeting of Food Directive 92/1, such as E18-150.
Core temperature recording