



Features

Memory Size : 8k (Non-volatile)
No. of Readings : 7900
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 5 years

Sensor Details

Range : -40°C to +125°C /
-40°F to +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 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 both
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 2.0 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-0017 Tinytag Ultra Range G (-40°C to +85°C / -40°F to +185°F) with internal sensor
TGU-0073 Tinytag Ultra Range H for Standard probe (-30°C to +50°C / -22°F to +122°F) narrower range but better resolution.

Applications

Education Manufacturing Pharmaceuticals