



Mechanical Data

Case Style : IP65 Brick Style

Case Dimensions

Height : 75mm / 2.95
Width : 75mm / 2.95
Length : 110mm / 4.85
Weight : 700g / 24.7 oz.

Features

Memory Size : 16k (Non-volatile)
No. of Readings : 15900 (approx)
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 minute to 10 days
Offload : While stopped or
when logging
Alarms : Two, fully
Programmable
Functional Range : -40°C to +85°C /
-40°F to +185°F
IP Rating : IP65 splashproof
Logger Battery Life : Up to 5 Years
XP Power output : 12V, 50mA Typ.
XP battery capacity : 2700mAh Typ.

Notes:

Logger 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 logger battery.
XP Batteries: 8 x AA 1.5V Alkaline cells.

Input Specification

0-2.5V Range

Maximum Input : 3.5V
Input Impedance : $\pm 0.4\mu A$ leakage
Resolution : 10mV
Accuracy : $\pm 10mV \pm 0.5\%$ reading.

0-10V Range

Maximum Input : 14V
Input Impedance : 400k ohms
Resolution : 40mV
Accuracy : $\pm 40mV \pm 1\%$ reading

0-25V Range

Maximum Input : 35V
Input Impedance : 1Megohm
Resolution : 100mV
Accuracy : $\pm 100mV \pm 1\%$ reading.

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 by Gemini
Data Loggers (UK) Ltd. to EN ISO 9002 part
2 (Certificate No. 6134), and is CE approved
to EN50081 part 1:1992 and EN50082 part
1:1992 with any standard leads or probes
supplied.



NAMAS traceable calibration certificates are
available on individual units.

Special Notes

When using the unit at low temperatures, condensation may form. Before opening the case
for any reason, allow the unit to reach room temperature.

The IP65 rating is only valid when the connector cap and sensor cable are securely fitted.

This logger forms part of the Tinytag Plus Re-educatable range. It can be used with the
factory set units, or with Re-Educator Software it can be changed to suit the range and units
of the particular sensor to be attached.

Interface Information and Related Products

To use your Tiny Data Logger you will require:

Tinytag volt/XP input lead (CAB-3239) or 5-pin plug only (ACS-9703);
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)
To change ranges and/or units you will need a PC, with Re-Educator Software V2.2 or above (SW-0506) and interface cable CAB-0007

Further Related Products:

SER-9540 Tinytag Plus Re-ed XP Service Kit including batteries, seal and silica gel pack
TGPR-0700 Tinytag Plus Re-ed Volt: PCB only, for OEM use
TGPR-0704 Tinytag Plus Re-ed Volt: 0 to 2.5/10/25V logger
TGPR-0805 Tinytag Plus Re-ed XP mA: 0 to 20 mA logger with internal battery pack for powering customer sensors directly
TGPR-1002 Tinytag Plus Re-ed XP mV: 0 to 200mV logger with internal battery pack for powering customer sensors directly

Applications

Environmental Monitoring Pressure transducers Accelerometers