# Gemini Data Sheet

# Tinytag Plus Re-ed XP Millivolt Input TGPR-1002

Issue 8: 7<sup>th</sup> April 2005 E&OE



#### **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 :  $-20^{\circ}C \rightarrow +50^{\circ}C$  /

-4°F → +122°F

IP Rating: IP65 splashproof Logger Battery Life: Up to 5 Years XP Power output: 12V, 50mA Typ. XP battery capacity: 2700mAh.

#### Notes:

Logger Battery replacement is recommended every 2 years. It may be replaced with Saft 3.6V 1/2AA Lithium cells. Stop the unit logging before

replacing the logger battery.

XP Batteries: 8 x AA 1.5V Alkaline cells.

# **Input Specification**

 $\begin{array}{c} \text{Range : 0} \rightarrow \text{200mV} \\ \text{Maximum Input : 500mV} \\ \text{Input Impedance : } > 10 \text{ Megohms} \\ \text{Resolution : 0.8mV} \\ \text{Accuracy : } \pm 1\text{mV} \pm 0.5\% \\ \text{of reading} \end{array}$ 

### **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 BS EN ISO 9001:2000 (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<sup>™</sup> (SW-0500)

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-1000 Tinytag Plus Re-ed mV: PCB only, for OEM use TGPR-1001 Tinytag Plus Re-ed mV: 0 to 200mV logger

TGPR-0805 Tinytag Plus Re-ed XP mA: 0 to 20 mA logger with internal battery pack for powering customer sensors directly
TGPR-0705 Tinytag Plus Re-ed XP Volt: 0 to 2.5/10/25V logger with internal battery pack for powering customer sensors directly