Gemini Data Sheet

Tinytag Plus Re-ed Volt for OEMs TGPR-0700

I ssue 7: 17th September 2003

E&UE

Connection Details

3, VBAT : Battery + ve
4, N.C. : Reserved
5, GLED : Green LED anode
6, RLED : Red LED anode
7, TX-B : RS-232 Transmit
8, NC : Reserved
9, RX-A : RS-232 Receive
10, SENSE : Signals reading
11 : Do not connect
12, VREF : 2.5V Reference
13 : Do not connect
14 : Do not connect
15 : Do not connect
16 : Do not connect
17, GND : Power and signal 0V
18, IN : Voltage Signal Input

PCB edge mates with 0.1" IDC female edge connector such as RS Part No. 471-317.

Refer to manual for full electrical spec.

Note:

Features

Memory Size : 16 No. of Readings : 16 Resolution : 8 Delayed Start : Re	6000 (approx) ´ bit
Stop Options : W	o to 45 days hen Full ter n Readings
Reading Types : Ad Logging Interval : 1 Offload : W	sec to 10 days hile stopped or
m	hen logging in inute multiples vo, fully Programmable 0°C → +85°C /
4- Battery Life:U	0°F → +185°F o to 5 years

Note: The LEDs are supplied, not fitted to the PCB.

Input Specification

0→2.5V Range
Maximum Input : 3.5V
Max. input current : ±1uA (typ. ±0.4uA)
Resolution: 10mV
Accuracy : ±10mV±0.5% reading
0→10V Range
Maximum Input : 14V
Input Impedance : 400k ohms
Resolution: 40mV
Accuracy : ±40mV ±1% reading
0→25V Range
Maximum Input: 35V
Input Impedance : 1Megohm
Resolution : 100mV
Accuracy : ±100mV ±1% reading
Note:
Battery replacement recommended every 2
years. Replace with 3.6V 1/2AA Lithium cells
(available from your Tinytag stockist). Stop
the unit logging before replacing the battery.
Approvale

View from Surface Mount Side

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 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). To change ranges and/or units you will need a PC, with Re-Educator Software V2.2 or above (SW-0506) and interface cable.

Further Related Products:

TGPR-0800 Tinytag Plus Re-ed Current: 0 to 20 mA logger, PCB only, for OEM use.

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