Gemini Data Sheet

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 : mV Signal Input

Note:
PCB edge mates with 0.1" IDC female edge connector such as RS Part No. 471-317. Refer to manual for full electrical spec.

Features

Memory Size : 16k (Non-volatile)
No. of Readings : 16000 (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 sec to 10 days
Offload : While stopped or
when logging in
minute multiples
Alarms : Two, fully Programmable
Functional Range : -40°C → +85°C /
-40°F → +185°F
Battery Life : Up to 5 years

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

Input Specification

Range : 0 → 200mV
Maximum Input : 500mV
Input Impedance : >10 Megohms
Resolution : 0.8mV
Accuracy : ± 1mV ± 0.5%
of reading

Notes:
This logger forms part of the Tinytag Plus Re-educatable range. It can be used with the factory set units, 0 to 200mV, or with Re-Educator Software it can be changed to suit the range and units of the particular sensor to be attached.

Battery replacement is 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.
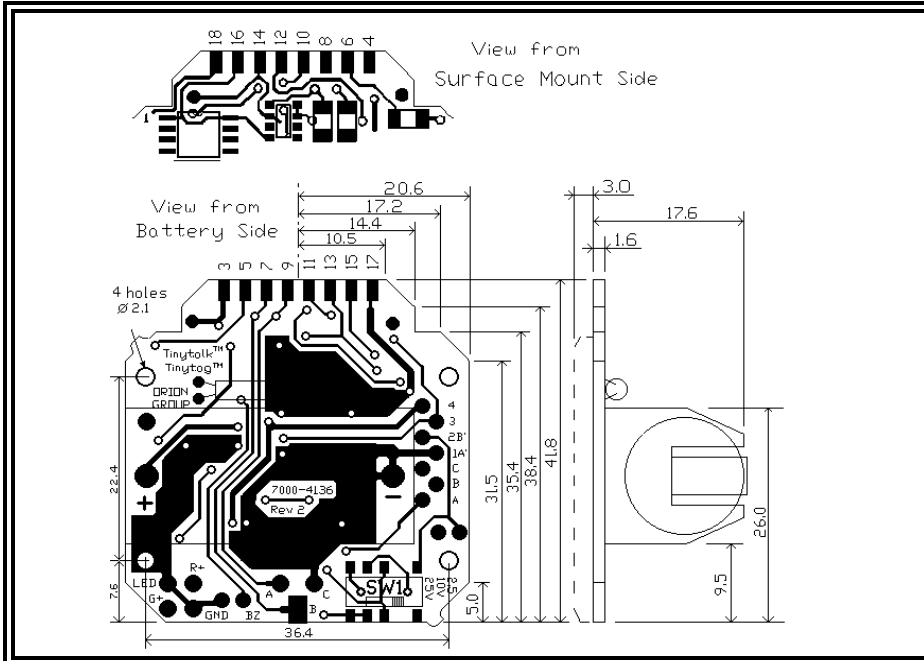

Approvals

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-0700   Tinytag Plus Re-ed Volt: 0 to 2.5V/10V/25V logger, PCB only, for OEM use.
TGPR-0800   Tinytag Plus Re-ed Current: 0 to 20 mA logger, PCB only, for OEM use.