



#### Mechanical Data

Case Style : IP-68 Instrument  
Height : 82mm / 3.3"  
Width : 65mm / 2.6"  
Depth : 40mm / 1.6"  
Mounting holes : 4.2mm / 0.16"  
diameter  
70mm / 2.8"  
separation

#### Features

Memory Size : 32k (Non-volatile)  
No. of Readings : 16000 (approx)  
Resolution : 12 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  
IP Rating : IP68 Rugged  
Battery Life : Up to 3 years  
Offload Speed : Approx 30 Seconds  
Offload Method : Close Proximity

#### Note:

Functional Range describes the range over which the logger will function, **not** the sensor range over which it will record.

#### Sensor Details

Range : -50°C → +600°C /  
-58°F → +1112°F  
Sensor Type : PT100 Probe  
Resolution : <0.2°, -50° → 600°C

This logger is designed for a probe with the most widely used  $\alpha$  value of 0.00385, known as the 'European Curve'.

See specific data sheet on PB-3225 for response time and other characteristics of our standard PT-100 probe.

#### 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.



UKAS traceable calibration certificates are available on individual units.

#### Special Notes

Battery replacement recommended every 2 years. We recommend using only batteries supplied through your Tinytag distributor.

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 IP68 rating is only valid to depths of 15m (50ft) when all connectors are securely covered with caps or suitable approved probes are connected.

#### Interface Information and Related Products

##### To use your Tinytag Data Logger you will require:

Tinytag Pad base station (ACS-3020), PC with GLM (SWCD-0009) or Easyview (SW-0500)

You will also require a PT100 sensor with European Curve specification such as PB-3225 (PB-3225 is rated to 400°C).

##### Further Related Products:

SER-9570 Tinytag Instrument Service Kit including battery, seal and silica gel pack.