

# Gemini Data Sheet

## Tinytag Transit Autoclave TG-3110

Issue 6: 25<sup>th</sup> October 2002  
E&OE



### Mechanical Data

Case Style : Fully encapsulated

#### Case Dimensions

Diameter : 48.5mm / 1.9"

Thickness : 18mm / 0.7"

Hanging tab : extra 12mm / 0.47"

Mounting hole : 6mm / 0.24" diameter

Weight : 100g / 4oz approx.

### Features

Memory Size : 2k (Non-volatile)  
No. of Readings : 900 approx  
Resolution : 10 bit  
Trigger Start : Reed Relay  
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 → +125°C /  
-40°F → +256°F  
IP Rating : IP68  
Battery Life<sup>1</sup> : typically 2 years  
Offload Speed : Approx 15 Seconds  
Offload Method : Close proximity

#### Notes:

<sup>1</sup> The battery is not replaceable.

### Sensor Details

Range : -10°C → +125°C /  
14°F → +257°F  
Sensor Type : 10k NTC Thermistor  
(Encapsulated)  
Sensor location : Internally mounted  
Response Time : 10 min to 90% typ.  
(in air, provisionally)  
Sensor accuracy : ± 0.2°C / ± 0.36°F  
From 0°C → 70°C /  
32°F → 158°F  
Resolution : < 0.5°, -10° → 0°C  
< 0.3°, 0° → 20°C  
< 0.2°, 20° → 100°C  
< 0.3°, 100° → 125°C

### 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 BE 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

The battery is not replaceable in this fully encapsulated unit.

### Interface Information and Related Products

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

Transit base station (ACS-3010) or Tinytag Pad base station (ACS-3020), PC with GLM (SWCD-0009) or Easyview (SW-0500)