

## Tinytag View 2 Current Logger (0 to 200A AC)

### TV-4810

**Issue 1**  
30th July 2010  
E&OE

The TV-4810 measures current from 0 to 200A AC and is ideal for mains and power consumption monitoring.

As well as recording data the unit has a display that shows what the unit is currently reading. The unit has an IP65 case and features high reading resolution and accuracy, a large memory, a fast offload speed and a low battery monitor.

This unit is supplied with a current clamp suitable for conductor sizes up to 20mm.

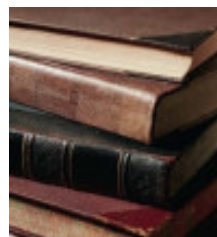


#### Popular Applications

- Mains Monitoring
- Power Consumption Monitoring

#### Features

- 0 to 200A AC Current data logger
- LCD display of current readings
- 30,000 reading capacity
- High Accuracy
- High Reading Resolution
- Fast Data Offload
- 2 user-programmable alarms
- Low battery monitor
- User-replaceable battery





### Features

<b>Total Reading Capacity</b>	30,000 readings
<b>Memory type</b>	Non Volatile
<b>Display</b>	4 digits + indicators
<b>Display Refresh Rate</b>	Every 2 seconds
<b>Trigger Start</b>	Magnetic Switch
<b>Delayed Start</b>	Relative / Absolute (up to 45 days)
<b>Stop Options</b>	When full After n Readings Never (overwrite oldest data)
<b>Reading Types</b>	Actual, Min, Max
<b>Logging Interval</b>	1 sec to 10 days
<b>Offload</b>	While stopped or when logging in minutes mode
<b>Alarms</b>	2 fully programmable; latching

### Reading Specification

<b>Reading Range</b>	0.15 to 200A AC
<b>Frequency Range</b>	40Hz to 10kHz
<b>Maximum Current</b>	240A AC*
<b>Resolution</b>	10mA
<b>Accuracy</b>	0.5A to 10A (5% of reading +/-0.5A) 10A to 40A (3% of reading +/-0.5A) 40A to 200A (2% of reading +/-0.5A)

\*The measuring time between 200 and 240A should be limited to 10 minutes on, followed by 30 minutes off.

### Physical Specification

#### Data Logger (TV-4810)

<b>Operational Range*</b>	-30 °C to +70 °C
<b>Case Dimensions</b>	
<b>Diameter</b>	60mm / 2.36"
<b>Length</b>	85mm / 3.35"
<b>Width</b>	77mm / 3.03"
<b>Depth</b>	35mm / 1.38"
<b>Weight</b>	85g / 3oz

\*The Operational Range stated above indicates the physical limits to which the unit can be exposed.

#### Current Clamp (ACS-0003)

<b>Operational Range**</b>	-10 °C to +55 °C (14 °F to +131 °F)
<b>Clamp Dimensions</b>	
<b>Length</b>	135mm / 5.31"
<b>Width</b>	35mm / 1.38"
<b>Height</b>	65mm / 2.56"
<b>Weight</b>	180g / 6.35oz
<b>Lead Length</b>	1.5m
<b>Conductor Size</b>	20mm (maximum)

\*\*The Operational Range stated above indicates the physical limits to which the clamp can be exposed.

### Notes

<b>Battery Type</b>	Tekcell SBAA02P; SAFT LS14250 or LST14250
The logger will operate with other 1/2AA 3.6V Lithium (Li-SOCl <sub>2</sub> ) batteries but performance cannot be guaranteed.	
<b>Replacement Interval</b>	Annually
Before replacing the battery the data logger must be stopped.	
Data stored on the logger will be retained after a battery is replaced.	
The clarity of the display may change at extremes of temperature.	
If used at low temperatures the data logger should be allowed to warm to room temperature before it is opened to avoid condensation forming inside the unit.	

### Calibration

This unit is configured to meet Gemini's quoted accuracy specification during its manufacture.

We recommend that the calibration of this unit should be checked annually against a calibrated reference meter.

A UKAS traceable certificate of calibration can be supplied for an additional charge either at the point of purchase, or if the unit is returned for a Service Calibration.

### 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) the device must accept any interference received, including interference that may cause undesired operation.

Gemini Data Loggers (UK) Ltd. operates a Quality Management System which conforms to ISO 9001. The scope of the system covers the manufacture, design and supply of data loggers and their associated software, accessories and services.



### Required and Related Products

To use this data logger you will also require one of the following pieces of software:

SWCD-0040: Tinytag Explorer software or  
SW-0500: Easyview Pro software

and a

CAB-0007-USB: Tinytag Ultra/Plus/View USB Download Cable

Further related products:

CAB-0007: Tinytag Ultra/Plus/View Serial Download Cable  
SER-9550: Tinytag View 2 Service Kit  
ACS-5000: Tinytag Alarm Box  
ACS-6000: Trigger Start Magnet