

Tinytag Plus 2 Current Logger (0.15 to 200A AC)

TGP-4810

Issue 3

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E&OE

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

The unit is housed in a robust, durable 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

- 0.15 to 200A AC Current data logger
- 32,000 reading capacity
- User-programmable logging interval
- 2 user-programmable alarms
- Delayed start options
- 3 stop options
- Robust case
- User-replaceable battery





Features

Total Reading Capacity	32,000 readings
Memory type	Non Volatile
Trigger Start	Magnetic Switch
Delayed Start	Relative / Absolute (up to 45 days)
Stop Options	When full After n Readings Never (overwrite oldest data)
Logging Interval	1 sec to 10 days
Offload	While stopped or when logging in minutes mode
Alarms	2 fully programmable; latching

Reading Specification

Reading Range	0.15 to 200A AC
Frequency Range	40Hz to 10kHz
Maximum Current	240A AC*
Resolution	10mA
Accuracy	+/-1.5A @ 10A +/-2.5A @ 40A +/-7A @ 200A

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

Physical Specification

Data Logger (TGP-4810)

Operational Range*	-25°C to +85°C (-13°F to +185°F)
Logger Case Dimensions	
Height	34mm / 1.34"
Width	59mm / 2.32"
Depth	80mm / 3.15"
Weight	110g / 3.9oz

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

Current Clamp (ACS-0003)

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

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

Calibration

This unit is configured to meet Gemini's quoted 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.

Notes

Battery Type	Tekcell SBAA02P, SAFT LS14250 or LST14250;
The logger will operate with other 1/2AA 3.6V Lithium (Li-SOCI2) batteries but performance cannot be guaranteed.	
Replacement Interval	Every two years
Before replacing the battery the data logger must be stopped.	
Data stored on the logger will be retained after a battery is replaced.	
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.	

The position of the unit's trigger start switch is indicated by the ... label on the back of the logger. When the "Wait until trigger event" option is selected in the Tinytag Explorer software, the green LED on the unit will flash once every eight seconds, indicating that the unit is waiting to log. When a magnet is held next to the label, the green LED will light until the magnet is removed to show that the switch is closed. After the magnet has been removed, the green LED will flash every four seconds to indicate that the logger is recording.

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 Quality and Environmental Management Systems which conform to ISO 9001 and ISO 14001. The scope of these systems covers the design, manufacture and servicing of data logging and associated equipment, including software.



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-9500: Tinytag Data Logger Service Kit
ACS-5000: Tinytag Alarm Box
ACS-6000: Trigger Start Magnet