

Tinytag Plus Current Logger (0 to 200A AC)

TGS-0004

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E&OE

A data logger, housed in a rugged case, with 0-200A AC Chauvin Arnoux Current Clamp.

Popular Applications

- Mains Monitoring
- Power Consumption Monitoring



Features

- 200A AC Current data logger
- 16,000 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 | 16,000 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 to 200A AC |
| Frequency Range | 40Hz 10kHz |
| Maximum Current | 240A AC* |
| Resolution | 1A (typical) |
| Accuracy | +/-2.1A @ 10A +/-3.1A @ 40A +/-8.7A @ 240A |

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

Physical Specification

Data Logger

| | |
|-------------------------------|----------------------------------|
| 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

| | |
|----------------------------|---------------------------------|
| 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.

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. |

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.

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 BS EN ISO 9001:2000. 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 PC Serial Download Cable
SER-9530: Tinytag Plus/IS Service Kit
ACS-6000: Trigger Start Magnet