DATA SHEET

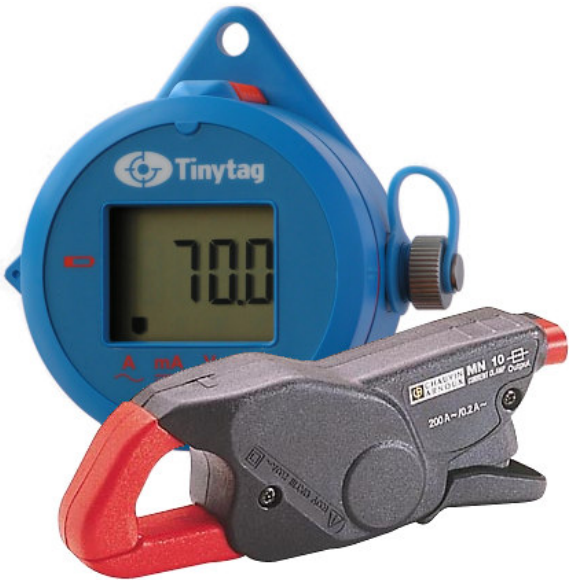
Tinytag View 2 Current Logger (0 to 200A AC)

TV-4810

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



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Features

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

Reading Specification

Reading Range	0.15 to 200A AC
Frequency Range	40Hz to 10kHz
Maximum Current	240A AC*
Reading Resolution	10mA
Display Resolution	0.1A
Accuracy	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)

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

*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.

Notes

Battery Type Tekcell SBAA02P; SAFT LS14250 or LST14250

The logger will operate with other ½AA 3.6V Lithium (Li-SOCl2) batteries but performance cannot be guaranteed.

Replacement Interval 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 ENAC 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 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

data sheet