Tinytag
Tinytag Data Loggers
Gathering Quality Data

Tinytag Energy Logger Product Guide

The Tinytag Energy Logger is the ideal solution for safely and simply monitoring power usage. The unit's flexibility enables it to monitor individual pieces of equipment and sub-meters right through to complete premises and installations. Suitable for monitoring single and three-phase power supplies, it can be used for spot checks or longer-term assessments.

By providing an accurate record of energy usage, the logger enables rapid identification of power-hungry or inefficient equipment, peak load and unnecessary idling times – in turn enabling effective measures to be taken to reduce electricity bills and allowing cost savings through the implementation of new equipment, processes and procedures.

- Easy to use
- High accuracy
- Safe and non-invasive
- Small, portable and lightweight
- Cost-effective
- Single and three-phase monitoring

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Gemini DATA LOGGERS

» temperature » relative humidity » power » co_2 » voltage » current » count

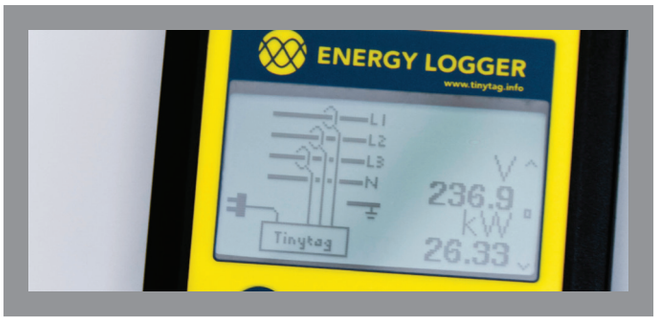
Portable: On-site PC not required to start logging

Simply press a button on the logger and logging can be started and stopped multiple times to allow different pieces of equipment to be monitored in one operation, without the need to save data to a computer at the end of each logging run.

Self-configuring

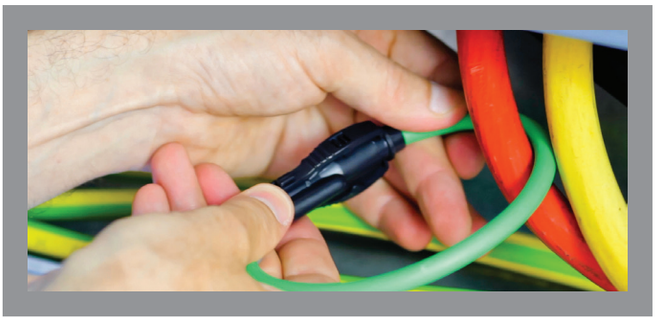
Automatic user prompts display step-by-step instructions for setting up the unit. Once connected, the unit will self-configure and current, voltage, and power readings will be displayed.

Display



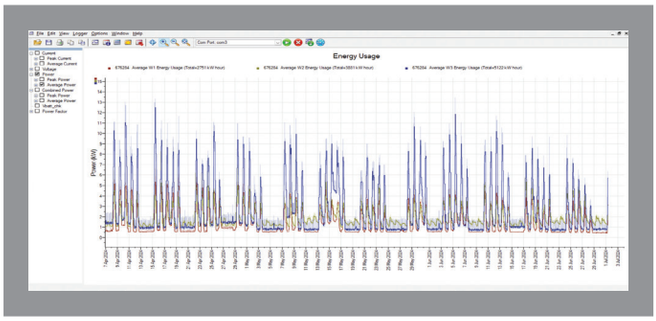
The unit's display shows instantaneous RMS current (A) and voltage (V) readings, an overall power figure (kW), and a power factor for all three phases.

Flexible coils



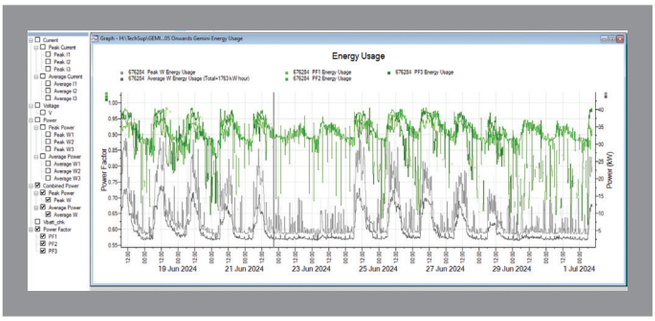
Current (2000A AC RMS) is measured using flexible coils that are clipped easily around conductors. Voltage readings (200-250V AC) are taken from a standard mains cable. The logger supports 3 sizes of Rogowski coil: small (38mm), standard (85mm), and large (175mm).

Simple data download, display and management logging



Data is viewed and managed with Tinytag Explorer software and can be exported to spreadsheet programmes such as Excel. For profiling buildings, data can be combined with temperature and relative humidity data from other loggers in the Tinytag range.

Automatic software calculations



When data is downloaded in the Tinytag Explorer software, the following information is calculated and displayed:

- Peak and average current
- Peak and average power
- Overall peak and average power
- Energy usage information (kWh)
- A power factor for each phase

About Gemini Data Loggers Gemini Data Loggers was established in 1984 and designs and manufactures the Tinytag range at its headquarters in Chichester, UK. All hardware, firmware, and software design and production is completed in-house, which enables tight control, quality, and flexibility to respond to customer needs. A Quality and Environmental Management System is in operation which conforms to ISO 9001 and ISO 14001, demonstrating the organisation's commitment to quality and customer focus.

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