

# Energy Data Logger

## Introduction

Energy data loggers can be used to collect accurate, actionable power consumption and energy performance data for analysis of energy use patterns and building performance optimization. You can use these tools to track the efficiency of building systems, manage peak energy demand, sub metering, and more. Energy data loggers feature latest technology support and helps in logging power consumption, energy performance and log into MS Excel file with proper date & time stamp. Sampling rate can be adjustable from 600 sample / second to 1 sample / week. This Data logger came with internal GSM to send SMS of the current sensor reading to any cell phone & GPS coordinates can also be logged for mapping.

## Data Logger Specification

- **Support Input** : Energy data loggers supports the following measurements: AC Current, AC Voltage, Amps (A), Kilowatt Hours (kWh), Power Factor (PF), Volt-Amps (VA), Volts (V), Watt Hours (Wh) and Watts (W).
- **Type of Inputs**: 1 Phase, 2 phase, 3 phase (3Ø-3/4 wire, 2Ø-3 wire, 1Ø- 2 wire)
- **Feature** : Password protection
- **CT Primary** : 1A/5A to 10,000A (programmable for any value)
- **CT Secondary**: 1 or 5 A
- **PT Primary** : 100V- 10,000 (programmable for any value)
- **PT Secondary** : 100 to 500V AC (L-L) (programmable for any value)
- **Sampling Rate**: Readings taken automatically every 600 sample/sec to 1 sample/week.
- **Storage Capacity** : 1 Million Samples.
- **Display**: 16\*2 LCD Display/ Touch Panel .
- **No. of Channel**: 10 (4 for analog input/4 for digital input/1 relay output/1 RS 485 terminal)
- **Communication**: GSM/USB/MODBUS.
- **Enclosure**: weatherproof IP rated Enclosure.
- **Timing**: Build In Real Time Clock.
- **Supply**: AC operated/Battery Operated/DC Operated.
- **Data Storage**: In a Ms Excel Sheet, Each records are stored with Time & Date stamp.

## Energy Management

Energy Data Loggers help business enterprises and government institutions realize energy management goals. Load studies uncover potential energy savings while data logging environmental conditions can reveal issues that can prematurely degrade equipment. The forms of energy where savings can be realized by data logging include electric, thermal, nuclear and solar, etc.

- **Data Logging Electricity**
- **Thermal Energy Recording**
- **Nuclear Energy Monitoring**
- **Solar Energy Logging**

