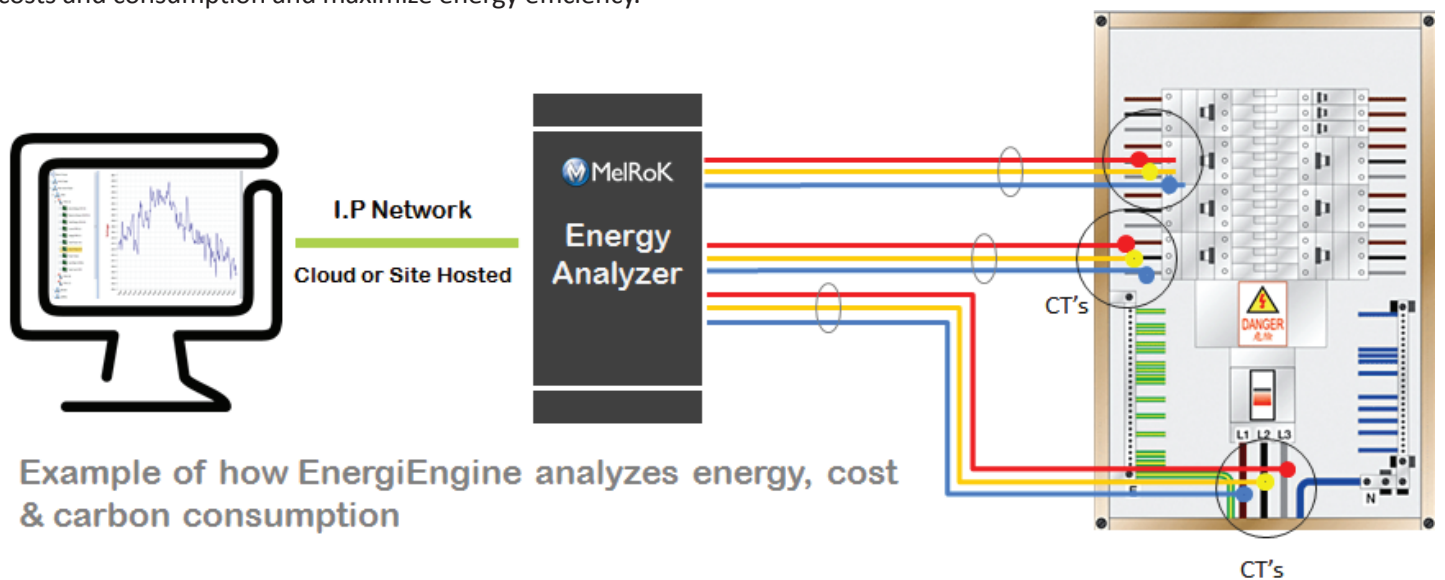


EnergiAnalyzers®.

Sub-Metering.

Eleccenergy has created a comprehensive suite of energy analysis hardware. EnergiAnalyzers have been designed for energy-monitoring in commercial properties, institutional, government and retail facilities. EnergiAnalyzers are part of the EnergiEngine system, an advanced solution of hardware & software that monitors, records and reports to reduce energy costs and consumption and maximize energy efficiency.



- > EnergiAnalyzer is a 12 or 24 channel Flexi-Phase sub-metering hardware package. EnergiAnalyzers allow connection of any combination of single or 3-phase loads, this flexible design provides superior space, location, cost efficient and time deployment choices.
- > EnergiAnalyzers monitor either 415VAC (EU) or 488VAC (US) loads allowing global deployment in one hardware model. Used with EnergiSensors & EnergiEye software EnergiAnalyzers can be deployed in Data Centre's, Commercial & Industrial buildings to accurately measure any electrical load combinations.
- > With EnergiEye software unlimited EnergiAnalyzers can be deployed in the same building, campus, country or shared across many countries. This networked functionality provides maximum flexibility when improving energy efficiency across the enterprise.

Intelligent Energy Monitoring across one room, floor, building, campus, city, country or globally.

Measure and control energy costs

- Identify energy waste and inefficiencies to reduce energy consumption
- Verify savings that result from equipment upgrades, energy efficiency programs, or performance contracts
- Allocate or sub-bill energy costs to departments, processes, or tenants

Ideal for critical power applications & data centres

- Monitor power distribution at the circuit level
- Optimise existing infrastructure
- Improve power distribution efficiency
- Track usage and allocate energy costs Enable accurate sub-billing

Optimize capacity & equipment use

- Prolong asset life by balancing loads, and measuring runtime and other factors that cause heating and shorten equipment life
- Maximize the use of existing capacity and avoid unnecessary capital purchases by understanding loading and identifying spare capacity on existing equipment

EnergiAnalyzers®.

Specifications.

EnergiAnalyzer Products

EnergiAnalyzer®, FlexiPhase 12 channel, fitted with Ethernet 10/100, RJ45 port, MHM-12F
EnergiAnalyzer®, Flexi-Phase 24 channel, fitted with Ethernet 10/100, RJ45 port, MHM-24F

Accuracy Compliance

- +/- 0.5% of reading

Power Rating

- Single-phase loads: 10 to 10,000 Amps, 120/277 VAC
- Three-phase loads: 30,000 Amps (3 x 10,000A), 480Delta, 480Wye, 208Wye

Packaging

- Wall mountable, IP40, ABS (UL 94HB) or Steel
- Off-white, RAL 9002 or Black, RAL 9005
- Custom enclosures available
- ABS packages are stackable

Environmental

- Operating Temperature -40° C (-40°F) to 70° C (158°F)
- Storage Temperature 60° C
- 95% non-condensing humidity

Duty Cycle

- 100% duty cycle

Certifications

- CE
- UL
- RoHS compliant

Warranty

- 1-year repair return warranty

Dimensions & Weight

- 290 (W) x 200 (D) x 74 (H)
- Weight: approx. 3.1lbs/1.4kg

Power Connector

- Flexi-Phase, non-terminated 3-core cable
- Single-Phase, IEC male socket

Communications

- RJ 45, LANTRONIX XPort, 10 Base T & 100Base-TX (Autosensing)

CT Connectors

- 1 or 2 x 12 way IDC Connectors (6 channel per IDC)
- Plug-in terminal blocks for external CT sensors and Rogowski coils
- Built-in integrator for Rogowski coil sensors

Power Connection

- 3 phase + neutral



Features

Phase Monitoring:

Any combination of single and three phase, Delta or Wye Arrangements

Monitoring, interval variable:

- RMS Voltage
- RMS Current
- Total Power
- Total Energy
- Active Energy
- Reactive Energy
- Power Factor
- 1min, 15 or 30 min interval
- Sample rate, per minute, per channel

Communications:

- Ethernet, I.P, RJ45
- Ethernet, Modbus, RJ45
- Ethernet, BACNet, RJ45
- Ethernet, SNMP, RJ45
- Pulsed Input via Ethernet
- Auto upgrade of all firmware through Ethernet connection
- Auto update of configuration through web-enabled interface
- Auto-reporting of any non-responsive channel

CT Accuracy compliance:

- Meets IEC & BS 60044-1 standards

Data Storage:

- Onboard, non-volatile memory, unaffected by power outage, 120MB, 3 months

Monitor:

- Up to 500VAC per phase



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