CLEMAP Energy Monitor

The CLEMAP Energy Monitor is used to fully monitor and control electricity consumption in SME or in large projects. It is installed in control cabinets or distribution boxes and acts as a decentralised measuring point.
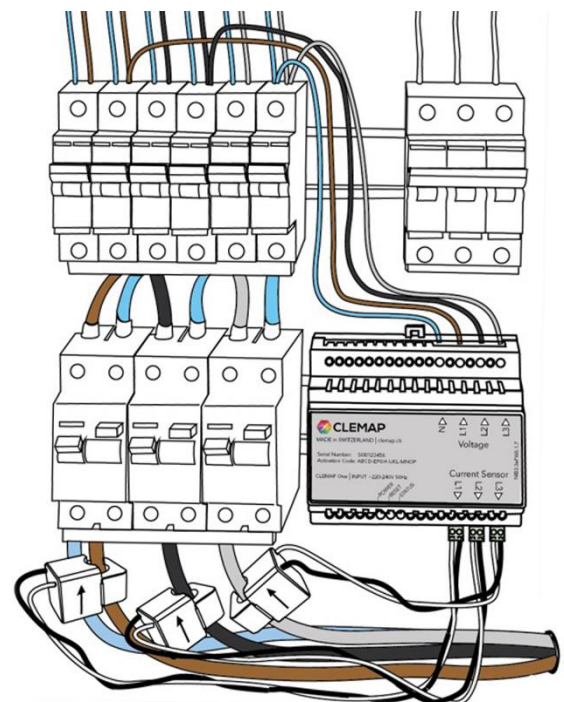
The product consists of an electrical 3-phase sensor and three current transformers. The voltage is sensed by a protective fuse and the current is measured by means of a magnetic current transformer.

To transfer the energy data, the CLEMAP Energy Monitor requires an internet connetion. This can usually be established via wireless or via a LAN network. As soon as the connection is established, the sensor connects to the CLEMAP Cloud, where all consumption data is presented in a detailed and clear way.

The CLEMAP Cloud energy portal displays the data measured by the CLEMAP Energy Monitor in real-time. Extended information and statstical evaluations are possible via our service plattform CLEMAP Floem. Customer-specific data transfer can be implemented on request. The CLEMAP Energy Monitor can serve as a basis for detailed energy analyses.

- Specific application-oriented energy data analysis on customer request
- Free use of the CLEMAP Cloud
- Measuring active and reactive power
- Real-time information on electricity consumption
- API interface for connection to customer processes
- Information on costs and consumption per day, month and year

For further information, visit:
www.clemap.ch/en/solutions/energy-meters/energy-monitor

Rated voltage: 230 V / 400 V	Warranty: 24 months
Maximum current per phase (A): 80, 125, 200, 400	Dimensions: 105x86x59 mm
Rated frequency: 50 Hz	DIN Rail Montage
Power consumption: < 3 W	CE-certified
Voltage interface: L1, L2, L3	Data Interface: SDAT/EBIX, REST API, MQTT
Positive and negative energy flows	Wireless 802.11b/g/n, Ethernet, 3G
Real-time data with a resolution of • Active and reactive power: 1 W, 1 VA • Active and reactive energy: 1 Wh, 1 VAh • Readout interval: 10 seconds	Security • Wireless: WPA2 • Encrypted communication: TLS/SSL * with external 3G modem