

CLEMAP Energy Monitor

Non-invasive electricity metering, for cost control of your consumers

The CLEMAP Energy Monitor is used to fully monitor electricity consumption in SMEs or large-scale projects. It is installed in control cabinets or distribution boxes and functions as a decentralised measuring point.

The CLEMAP Energy Monitor serves as a basis for detailed energy analyses. An internet connection is required to transfer the energy data. This can be established via wireless or a LAN network. As soon as the connection is established, the sensor connects to the CLEMAP Cloud, where all consumption data is stored in detail and clearly arranged.

The product consists of an electrical 3-phase sensor and three current transformers. The voltage is sampled after a protective fuse and the current is measured by means of current transformers.

The CLEMAP Floem energy portal displays the data measured by the CLEMAP Energy Monitor in real time. Extended information and statistical evaluations are also possible via this service platform. Customer-specific projects for the control of loads, API or SDAT data transmission can also be implemented on request.



- 🌈 **Non-invasive installation** thanks to current clamps
- 🌈 No programming knowledge necessary
- 🌈 **Real-time monitoring** of power consumption
- 🌈 Extension possible with **additional MID measuring points**
- 🌈 Monitoring via **Dashboard** for plant electricians
- 🌈 **PDF and csv-reporting** options
- 🌈 **Monthly mails with trend information**
- 🌈 Measurement of active, reactive power, current and voltage on three phases
- 🌈 Setting alarm functionalities
- 🌈 **Wide range of Smart Factory functionalities on request**
- 🌈 API interface

Compatibility

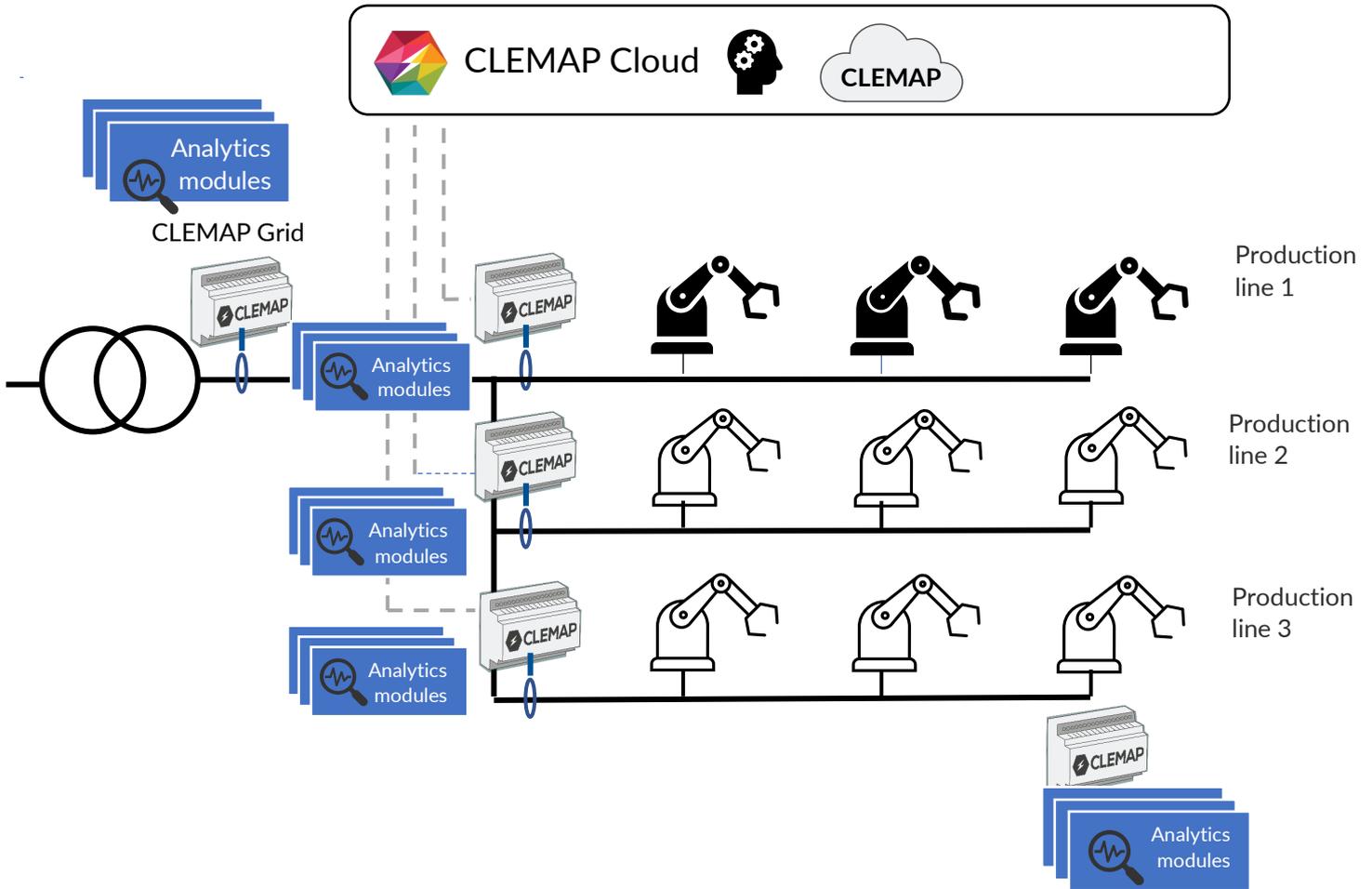
CLEMAP Energy Monitor can also read the following measuring points into CLEMAP Floem:

Janitza UMG 604



CLEMAP Energy Monitor

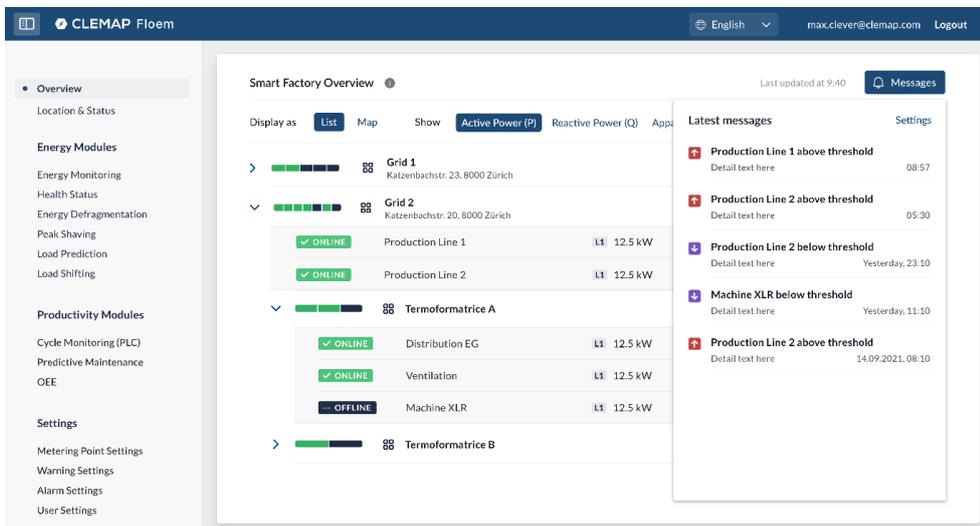
Example installation of the CLEMAP Energy Monitor in production lines



Monitoring via Dashboard

The CLEMAP Energy Monitor can operate in the local network and also functions in the event of an interruption of the Internet connection.

The CLEMAP Floem dashboard visualises the electricity data in real time. Additional functionalities can be specifically activated.



Additional information on the CLEMAP Floem Dashboard is available on the website clemap.com/products/clemap-floem

CLEMAP Energy Monitor

Technical Data

Rated voltage: 230V / 400 V	Warranty: 24 months
Voltage interface: L1, L2, L3	Dimensions: 105x86x59 mm
Rated frequency: 50 Hz	DIN Rail mounting
Power consumption: < 3 W	Certification CE
Maximum current per phase (A): 80/125/200/400/1000/2000/6000	Data Interface: CSV, PDF, REST API, SDAT/EBIX
Real-time data with 10 seconds resolution for voltage, current, apparent, active, reactive power and power factor	WLAN 802.11b/g/n, LAN, 3G*, Modbus TCP, Modbus RTU**, 1-channel digital input (ripple control signal input), 2-channel digital output
Positive and negative energy flows	* with external 3G modem ** with external adapter

Hardware components

Order number	Product designation
C-02A-WL-080A-CS	CLEMAP Energy Monitor 80A
C-02A-WL-125A-CS	CLEMAP Energy Monitor 125A
C-02A-WL-200A-CS	CLEMAP Energy Monitor 200A
C-02A-WL-400A-CS	CLEMAP Energy Monitor 400A
C-02A-WL-01kA-CS	CLEMAP Energy Monitor 1000A
C-02A-WL-02kA-CS	CLEMAP Energy Monitor 2000A
C-02A-WL-06kA-CS	CLEMAP Energy Monitor 6000A



For prices and licence models incl. functions, please see the separate price list.



Your contact

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