



**SINEAX CAM-POWER**  
**Universal measuring unit for  
heavy current variables**

# SINEAX CAM-POWER

## Universal measuring unit for heavy current variables

### Main features

- Consistent measurement (without interruption)
- Adaptation to the measuring task by configurable sampling intervals and adjustable overriding ranges
- Suitable for strongly distorted networks, zero crossing or phase angle controls
- I/O interface adaptable to individual requirements
- Configuration and measured value acquisition via USB and Modbus interface (RS485)
- Acquisition of minimum and maximum values with time stamp
- Internal energy meters for the measured network or external variables

### Application

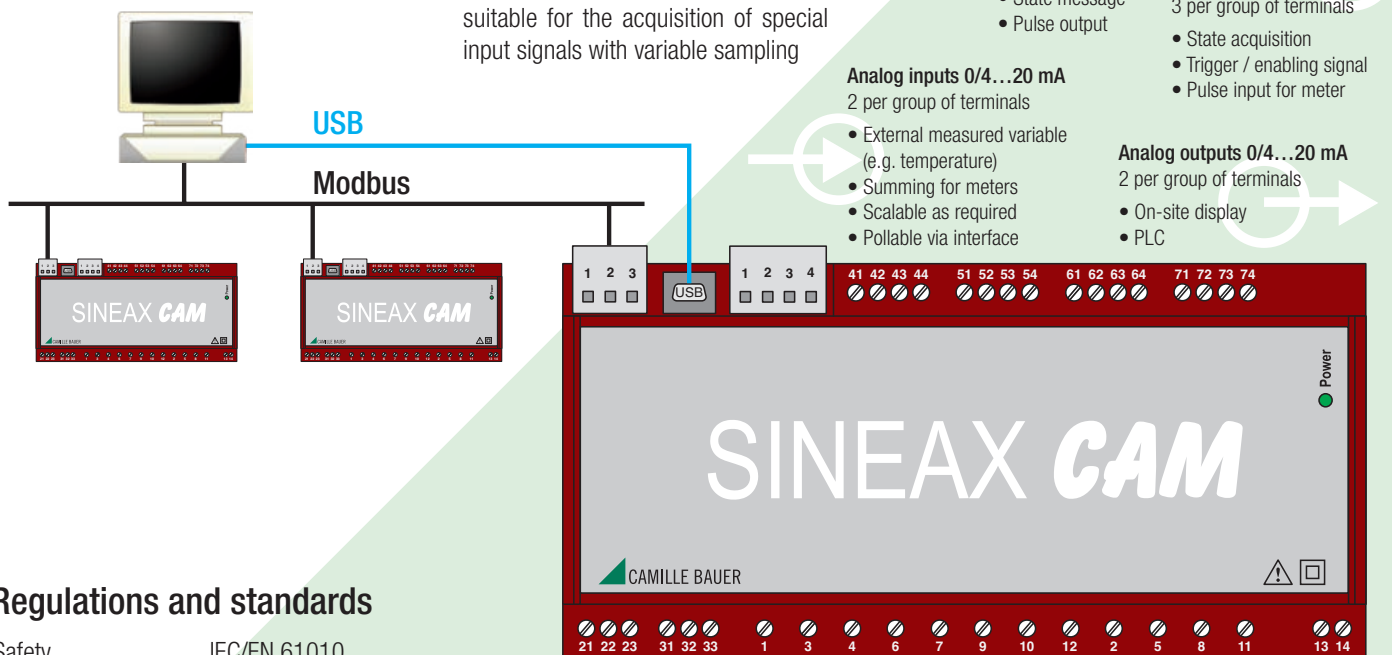
SINEAX CAM-POWER is designed for measurements in electric distribution systems or in industrial facilities. Its modular design allows it to be adjusted to individual applications and information requirements in an optimum fashion.

The high-performance measuring system is capable of determining the current network state, additional load by non-linear consumers as well as the overall load of the supply system. Consistent measurement also guarantees that every network change is reliably acquired and included in measured data and extreme value storage. The basic accuracy amounts to 0.1% (U, I) or 0.2% for other variables.

The programmable acquisition period and the high sampling rate make the device also suitable for the acquisition of special input signals with variable sampling

intervals (e.g. zero crossing controls), altered sine shapes (e.g. phase-angle controls) or strong distortions.

The optional I/O interface may be individually adjusted to all requirements. Up to 4 groups of terminals are available. One of 5 possible functions may be assigned to them respectively.



**HV-Input**  
110/230 V AC  
1 per group of terminals

- Voltage monitoring
- Synchronisation RTC on network frequency

**Digital outputs S0**  
3 per group of terminals

- Alarm
- State message
- Pulse output

**Digital inputs**  
3 per group of terminals

- State acquisition
- Trigger / enabling signal
- Pulse input for meter

**Analog inputs 0/4...20 mA**  
2 per group of terminals

- External measured variable (e.g. temperature)
- Summing for meters
- Scalable as required
- Pollable via interface

**Analog outputs 0/4...20 mA**  
2 per group of terminals

- On-site display
- PLC

### Regulations and standards

Safety	IEC/EN 61010
EMC basic standards	IEC/EN 61000-6-2, 61000-6-4
AC transducer	EN 60688

**2 Relay outputs**

- Consumption control
- Alarm

**Measuring input**

- 3 voltages/4 currents ( $I_1, I_2, I_3, I_W$ )**
- Consistent measured value acquisition
  - Adjustable to measuring task

**Universal power supply**

- 85...265 V AC, 45...400 Hz  
110...265 V DC

### Measuring input

Voltage	57...400 V (Pf-N) or 100...693 V (Ph-Ph)
Current	1...5 A
Rated frequency	50/60 Hz
Networks	One-phase, 3/4 wire systems of a balanced or asymmetrical load, split phase. 4-quadrant operation.

**CAMILLE BAUER**

**Rely on us.**

Camille Bauer AG  
Aargauerstrasse 7  
CH-5610 Wohlen / Switzerland  
Phone: +41 56 618 21 11  
Fax: +41 56 618 35 35  
e-Mail: info@camillebauer.com  
www.camillebauer.com