

## CHARGE-MONITOR



CHARGE-MONITOR for measuring between the mains and the charging station or between the charging station and the mains.

### Features

- AC or DC Charging Versions
- CEE for certification measurements between the mains and the charging station
- Internal Logger for measurement data as well as the calculated data
- Online calculation of power, work, power factor, RMS values for AC measurements
- Online calculation of power, work for DC measurements
- 100 Mbit/s XCP-on-Ethernet or Klaric-Server
- 2 independent 1 MBaud CAN-Interfaces

### Connector-Variants

#### AC Charging

Mennekes Type 1/2, GB/T AC  
CEE 32/63 or 125

#### DC Charging

CCS Type 1  
CCS Type 2  
GB/T DC  
CHAdeMO

## CHARGE-MONITOR

### Version

- Plastic housing
- Protection class IP65
- Temperature Range -20...+65°C

### Applications

- Certification measurements
- Energy management
- Charge testing

### Scope of delivery

- CHARGE-MONITOR
- Factory calibration certificate (DAkkS optional)
- HV test protocol
- A2L/DBC files and documentation

### Technical data

<b>Resolution</b>	16 Bit ADC with 5 Measurement Ranges
<b>Sample Rate</b>	0,25 Hz to 8 kHz per channel configurable, dynamic sampling speed trigger
<b>Measurement Ranges</b>	±9 mV, ±27 mV, ±42 mV, ±210 mV, +1050 / -240 mV 0,3 µV, 0,9 µV, 1,4 µV, 7 µV, 35 µV Resolution
<b>Accuracy</b>	± 0,1 % reading ± 3 Bit of the actual measurement range at 23°C ± 5°C ± 1 % reading ± 3 Bit of the actual measurement range -40°C to +80°C
<b>Voltage Supply Range</b>	120/230V AC 12 DC
<b>Power Consumption</b>	typ. 12 W
<b>Temperature Range</b>	-20°C to 65°C