ATI ACCURATE TECHNOLOGIES

KLARIC
Individual Solutions for Measuring and Testing

HIGH VOLTAGE SYSTEMS

EV CHARGE-MONITOR

EV CHARGE-MONITOR for measuring between the mains and the charging station or between the charging station and the (PH) EV.

Versions

- CHARGE-MONITOR LAB
- CHARGE-MONITOR RUGGED

Features

- AC or DC Charging Versions up to 300 kW at 1,000 V
- 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 and RMS values for AC measurements
- Online calculation of power and work for DC measurements
- 100 Mbit/s XCP-on-Ethernet or Klaric-Server
- 2 independend 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

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EV CHARGE-MONITOR

Version

- LAB Plastic housing 400/400/200 mm (L/W/H)
- RUGGED Plastic housing 810/678/305 mm (L/W/H)
- Protection class IP65 (LAB)
- Protection class IP65 (RUGGED)
- Temperature Range -20°C to +65°C (-4°F to 149°F)
- Supply 230 V AC or 12 V DC, power consumption approx. 3 A

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

Resolution	16 Bit ADC with 5 Measurement Ranges
Sample Rate	0,25 Hz to 8 kHz per channel configurable, dynamic sampling speed trigger
Measurement Ranges	±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
Accuracy	± 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
Voltage Supply Range	120/230 V AC 12 V DC
Power Consumption	typ. 12 W
Temperature Range	-20°C to 65°C (-4°F to 149°F)

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