A clear view of your electrical network - immediately

- From the standard electrical quantities to 0.5s electricity metering
- RS485 modbus and management of 4 tariffs as standard features
- Simplified inventory with 2 models covering all the applications
Main specifications

Voltage inputs (AC)
- VT primary: 100 V to 500 kV - VT secondary: 100 V to 480 V
- Measurement range: 5...120 % Un - 50/60 Hz (Un = 100/400 V)
- Overvoltage: 120 % from 400 V (permanent) - 1 kV (0.5 s)
- Consumption: < 0.25 VA - Input impedance: 1 MΩ
- Connection configurations: 3P3W - 3P4W - 1P2W

Current input (AC)
- CT primary: 1 A to 10,000 A - TC secondary: 1 A to 5 A
- Measurement range: 1 % In...120 % In (In = 5 A)
- Transient overload: 120 A (0.5 s) - Permanent overload 6 A
- Consumption: < 0.1 VA

Measurement accuracy
- Active power and energy: Class 0.5s (IEC 62053-22 & IEC 61557-12)
- Reactive power and energy: Class 2 (IEC 62053-23 & IEC 61557-12)
- Apparent power: 0.5 (IEC 61557-12)

Auxiliary power supply
- MEMO P200 ref. P01330825: 85…275 VAC - 120…380 VDC (< 2 W) - 50/60 Hz
- MEMO P200 ref. P01330826: 21…28 VDC (2 W)

RS485 output
- Protocol: Modbus RTU - Slave mode
- Speed: 2,400…38,400 bauds

On-off output
- Metering output: kWh / kVARh (IEC 62053-31)
- Operating voltage: 5...27 VDC
- Max. current: 27 mA

General specifications
- Dimensions (L x H x W): 96 x 96 x 55 mm
- Weight: 350 g
- Connection: Up to 4 mm² (measurement inputs) 2.5 mm² (others)
- Operating temperature: -25 °C to +55 °C (R55)
- Altitude: Up to 2,000 m

Measurement functions

- Energy values: Ea, Eq, Es (import, export, cumulated, partial)
- Instantaneous values: V, U, I, THD-V, THD-I, f, Crest Factor, K Factor, Pf, P, Q, S
- Average max. values: L, P, Q, S
- Tariff metering: 4 tariffs with configurable tariff ranges (internal Real-Time Clock (RTC))
- Relay outputs (on-off): Pulse mode for active energy or reactive energy (adjustable weight)

To order

- Model: MEMO P200 - 230 V aux. power supply
- Reference: P01330825
- MEMO P200 - 24 V aux. power supply
- Reference: P01330826
- DIN-rail mounting kit
- Reference: P01330360

Related products

ELOG DATA LOGGER
For storing and transmitting the data from your MEMO P200

TCR / TCRO / TC Clip
For measuring currents from 40 to 5,000 A