

AEM35 Energy Meter



Specification

Three-phase energy meter with removable front LCD display unit. The same unit can be used either as a DIN-rail mounting or a panel mounting energy meter.

This general purpose three-phase energy meter is suitable for both active and reactive energy metering for cost allocation but also for main electrical parameter measurement and retransmission (transducer function).

Possibility to display also exported active energy (e.g. in case of regenerated energy in lifts or similar applications) harmonic distortion information is available for the voltages and the currents, up to the 15th harmonic.

An hour counter meter is available to link the energy consumption to the relevant working hours and a hour counter to link the exported energy to production hours

Current measurements carried out by means of external current transformers and voltage measurements carried out either by means of direct connection or by means of potential transformers.

AEM35 is provided, as standard, with a pulsed output for active energy retransmission and a 2-wire RS485 communication port.

- Class B (kWh) according to EN50470-3
- Class 1 (kWh) according to EN62053-21
- Accuracy ± 0.5 RDG (current/voltage)
- System variables: W, VAr, PF, Hz, Phase-sequence.
- Single phase variables: VLL, VLN, A, PF, THD (A,V, up to the 15th harmonic)
- Energy measurements: total kWh (imported and exported); kVArh
- TRMS measurements of distorted sine waves (voltages/currents)
- Self power supply
- Dimensions: 4-DIN modules and 72x72mm – conversion kit to 96 x 96