

SINGLE-PHASE ELECTRONIC ELECTRICITY METER

ENERLUX M

- meters of the latest generation, with 4 tariffs, multifunctional;
- max. overload 1600%, class 1 (EN 62053-21);
- communication possibilities (EN 62056-21)

ENERLUX M are meters of the last generation, based on leading edge technologies in the field.

TECHNICAL CHARACTERISTICS

Rated values:

- Meter type: single-phase, 1 measuring system, 2 wire
- Rated voltage: 230V (220V; 240V), 120 V, +15 ... -20%
- Rated frequency: 45 ... 65 Hz
- Base current: 5; 10 A
- Max. current: 30; 60; 80 A
- Max. overload: 1600%.

Accuracy:

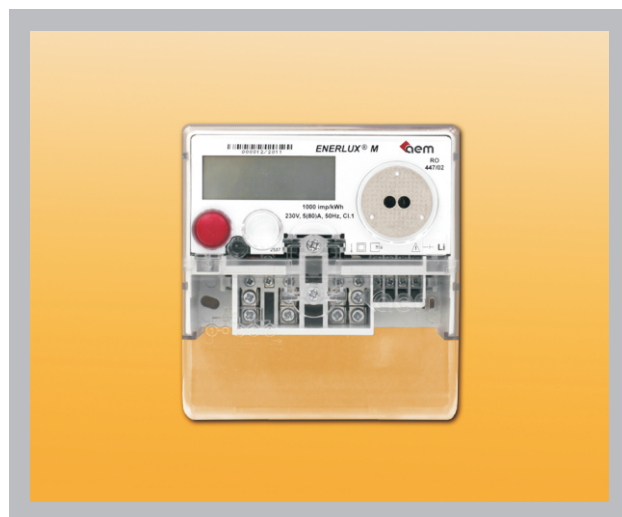
- Class: 1(2) (EN 62052-11, EN 62053-21)
- Time base: max. 0.5 s/day (EN 62052-21)

Climatic characteristics:

- Operating temperature range: -40...60°C
- Transport and storage temperature: -40...80°C

Mechanical and constructive characteristics:

- Overall dimensions: 127x137(155*)x54 mm
(* with apparent upper hanger)
- Mounting dimensions (HxV): 105x75(95*)
(* with apparent upper hanger)
- Terminal dimensions: acc. to DIN 43857
- Wiring diagram: LLNN
- Shortcircuit device: internal
- Main cover sealing: 1 pcs., apparent seal
- Terminal block sealing: 1 pcs., apparent seal
- LCD display: 8 figures/8 mm & 5 figures/5 mm & special symbols (refer to Fig., tariffs symbols T1,..., T4)
- Display button: Yes
- Reset button: Yes (optionally)
- Optical port: IEC 62056-21
- Current loop: IEC 62056-21 (optionally)
- Pulse output: Yes, optionally
- Protection degree: IP 51 (except terminals)



Measured and displayed quantities:

- active energy (4 tariffs and total);
- maxim demand;
- perpetual internal clock and calendar;
- automatic change of the summer/winter time according with European rule (last Sunday in March / October), with programmable changing hour and direction, with disselection possibility of this function, calendar with leap years.

Displayed quantities:

There are 28 displayed quantities, among them, the most important are:

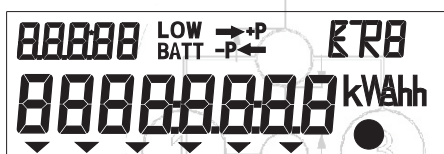
- total active energy;
- energies on T1...T4
- maxim demand
- current date (YYMMDD)
- current time (HHMMSS)
- total active energy at the last self reading
- energy at the last self reading on T1...T4
- no. of programmings through the optical port
- date of the last programming
- serial number of the meter (2x8 characters)

Tariffing facilities:

- 4 tariffs and total
- tariffs programming with:
 - 8 types of days: Mo, Tu, ..., Sa, Su, special;
 - 8 types of weeks, programmable;
 - 12 types of "seasons", programmable;
 - 12 segments (switchings)/day, 30 min. resolution;
 - 24 holiday periods lasting min. one day / max. 4 days, programmable, with annual period or non-periodical, with one of the 8 types of days. Minimum 10 years programm is ensured without reprogramming

Self-reading:

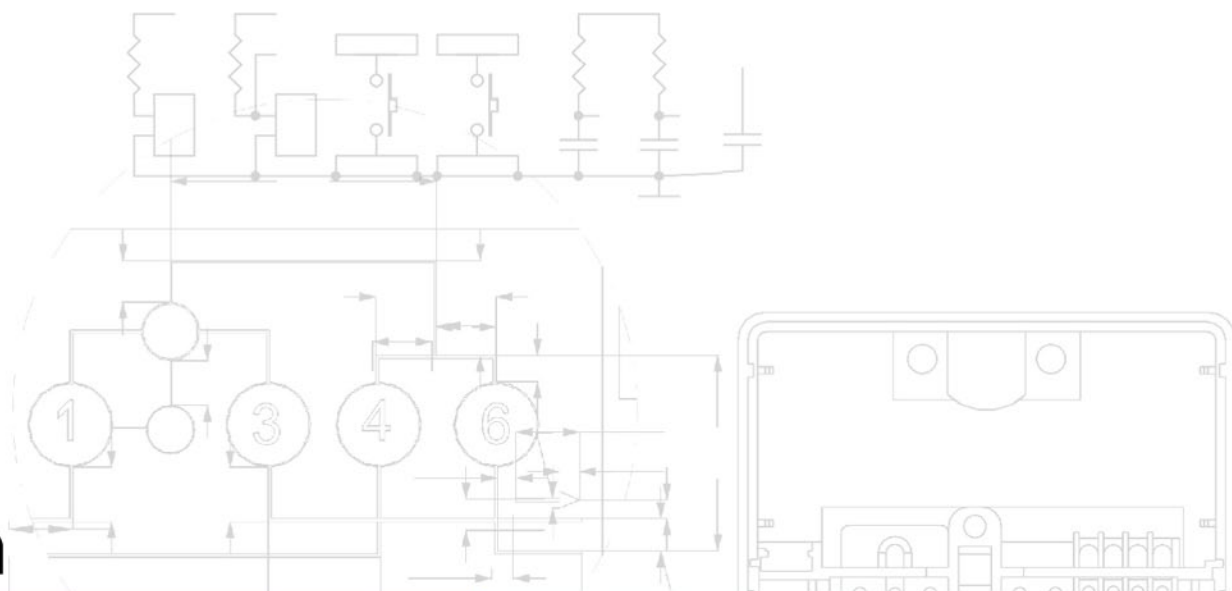
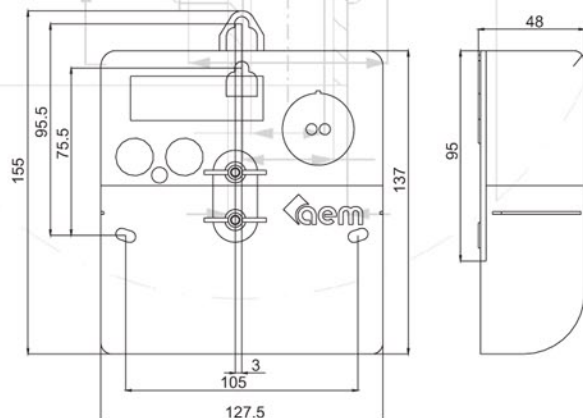
- Automatic at 00h, with programmable day (1 ... 28).
- Last 12 self-readings storage (total, T1 ... T4, max. demand/total, with date and time registration).



Other facilities:

- LOW Battery warning
- Memory Error warning
- Reverse energy flow indication
- One way energy registering
- Acces levels:
 - 1 - data reading
 - 2 - programming
 - 4 - calibration (with internal connection change) as per IEC 62056-21

OVERALL DIMENSIONS:



Quality management system ISO 9001 certified by SRAC

S.C. AEM S.A. Timisoara • Calea Buziasului no. 26 • 300693 • Timisoara • Romania
Tel: 0256-222200 • Fax: 0256-490928 • E-mail: sales@aem.ro • Website: www.aem.ro

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