

BM.12 Single Phase Electronic Electricity Meter



GENERAL FEATURES

- MID (Measuring Instruments Directive) Certified
- Data storage without energy and non-volatile memory
- Keeps period data in its memory of at least 1 year
- More than 10 years of battery life and protection for date and time in case of energy absorption
- Consumption and time data can be read through optical port and LCD display without energy
- 8 Different time periods in a day, 4 different tariff types, 4 different day types
- LCD display showing amount of energy consumed according to tariff
- Demand measurement capacity in every 15 minutes
- Ability to show warnings on display in different situations such as clock corruption, low battery, terminal cover and top cover open warnings
- Optical port for communication and programming
- Instant voltage, current, frequency, power display on LCD
- Load profile recording (Optional)
- Long life and maintenance free operation



TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|-------------------------------------|
| Meter Type | 1-Phase, 2-Wire, Active |
| Connection Type | Direct |
| Accuracy Class | Class B (EN 50470-1/3) |
| Nominal Voltage (Un) | 230 V |
| Operating Voltage Range | 0,8 Un and 1,15Un |
| Reference Frequency | 50 Hz \pm 5% |
| Starting Current (Ist) | 20 mA |
| Minimum Current (Imin) | 0,25 A |
| Transitional Current (Itr) | 0,5 A |
| Nominal Current (In) | 5 A |
| Maximum Current (Imax) | 100 A |
| IP Rating | IP54 (Outside) |
| Protective Class | Two (2) |
| Operating Temperature | -40 °C, +70 °C (3K7) |
| Mechanical Environment Class | M1 (According to 2014/32/EU) |
| Electromagnetic Environment Class | E2 (According to 2014/32/EU) |
| Voltage Circuit Power Consumption | < 2 W, 10 VA |
| Current Circuit Power Consumption | < 4 VA |
| ESD Immunity | Contact: 8 kV; Air: 15 kV |
| Impulse Voltage | 6 kV |
| Meter Constant | 1000 imp/kWh |
| LCD Display | 6+3 |
| Communication | Optical 300-9600 Baud (EN 62056-21) |
| Real Time Clock Accuracy | < 0.5 sec/day (EN 62054-21) |
| Weight | 0,26 kg |

DIMENSIONS

