

**BM.10**  
**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	5+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**

