

BM.15
Single Phase Active Import
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 zones can be set during the day and can record the active energy consumed in each time zone to one of 4 different tariffs. It has the feature of making separate time zones and tariffs for 3 different day types (weekday, Saturday, Sunday).
- It automatically performs summer/winter time application if activated.
- Tariff information, meter date and time, summer time application status can be changed by authorized personnel.
- In case the top cover is opened, it records the first 10 top cover opening dates and the total number of openings.
- In case the terminal cover is opened, it records the last 24 opening dates and the total number of openings.
- The meter records the energy amounts consumed in each tariff for the last 12 months, the maximum demand information, date and time for the last 12 months.
- The meter can record 6 channel load profiles with 15-minute periods for the last 180 days.
- The meter records the dates of the last 10 current connection errors (reverse current).
- The meter records the date and time of the last 200 power outage records.
- Long life and maintenance free operation



TECHNICAL SPECIFICATIONS

Meter Type	1 Phase, 2 Wire, Active Import
Accuracy Class	Active Class B
Minimum Current (I _{min})	0,25 A
Meter Constant	1000 imp/kWh
Load Profile	6 Channel, 180 Days (15 Min.)
Connection Type	Direct
Nominal Voltage (U _n)	230V
Operating Voltage Range	90-265 V
Reference Frequency	50 Hz ±%5
Starting Current (I _{st})	20 mA
Transitional Current (I _{tr})	0,5 A
Nominal Current (I _n)	5 A
Maximum Current (I _{max})	100 A
IP Rating	IP54 (Outdoor)
Protective Class	Class II
Humidity Ratio	Max. %95
Operating Temperature	-40 °C, +70 °C (3K7)
Storage Temperature	0°C, +30°C
Mechanical Environment Class	M1
Electromagnetic Environment Class	E2
Voltage Circuit Power Consumption	<1 W, 5 VA
Current Circuit Power Consumption	<4 VA
Electrostatic Discharges	Contact discharge 8kV, air discharge 15kV
Impulse Voltage	6 kV (R _s =2 Ohm), 12 kV (R _s =500 Ohm)
LCD Display	6+3 Energy, 5 Obis
Communication	Optical and RS485 (300-19200 Baud) (EN 62056-21)
Battery Life	≥ 10 years / 4 years
RTC Accuracy	< 0,5sec/day (EN 62054-21)
Standard	EN 50470-1, EN 50470-3

DIMENSIONS

