

BM.14 Single Phase Import Dual Channel Electronic Electricity Meter



GENERAL FEATURES

- MID (Measuring Instruments Directive) Certified
- Data storage without energy and non-volatile memory
- 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 5 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

Model Name	BM.14
Meter Type	1-Phase, 2-Wire Import
Measurement Type	Dual Channel Measurement
Accuracy Class	B
Connection Type	Direct
Nominal Voltage (Un)	230 V
Operating Voltage Range	0,8 Un and 1,15Un
Reference Frequency	50 Hz $\pm$ 5%
Starting Current (Ist)	20mA (0,04.Itr)
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)
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	< 2W, 10 VA
Current Circuit Power Consumption	< 4 VA
Electrostatic discharges	Contact discharge 8kV, air discharge 15kV
Impulse Voltage	6 kV
Meter Constant	1000 imp/kWh
LCD Display	6+3, With Backlight (Optional)
Communication	Optical, RS485 (Optional) 300-19200 Baud (TS EN 62056-21)
Battery Life	$\geq$ 10 year / 4 year
RTC Accuracy	< 0,5sec/day (EN 62054-21)
Standards	EN 50470-1, EN 50470-3

DIMENSIONS

