



## BS0101

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### SINGLE-PHASE MULTIFUNCTION ELECTRICITY METER

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#### Quick feature guide:

- Measurement of active electricity energy
- Maximum Demand Registration
- Load monitoring with Instantaneous Voltage, Current and Power Factor
- TOU Control with flexible programming of up to 4 tariffs
- Internal real-time clock and calendar with battery backup
- Data storage in non-volatile memory
- Fully AMR (Automated Meter Reading) compatible
- Easily readable data indication on LCD display

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See specifications for configuration options

Various accessories are available for use with this product

## Ratings

System	Single-Phase 2-wire
Accuracy class	Class 1 IEC 62053-21, IEC 62052-
Reference voltage	Un110V; 220V; 230V; 240V
Reference (maximum) current I <sub>b</sub> (I <sub>max</sub> )	1.5 (6) A 5 (60) A 10(120) A
Current threshold	0.002% I <sub>b</sub>
Reference Frequency	50/60 Hz
Power consumption:	
in voltage circuit	< 0,8W; < 1 VA
in current circuit	< 0,05 VA
Temperature ranges:	
meter operating	-30°C to +70°C
meter storage	-45°C to +85°C

## TOU (Time of Use) Control

Tariff switching	Internal real-time clock or External signal
Number of tariffs	Up to 4 tariffs
Number of seasons	Up to 10 tariff seasons
Number of day profiles	Up to 10 daily profiles

## Communications

Optical communication interface	IEC 62056-21, Optional
Radio Frequency Interface	433 MHz, Optional
RS-485	Optional

## Inputs and Outputs

Electric pulse output (SO)	Test output
LED test output (meter constant)	500, 1000 or 4000 imp/kWh
Display pushbutton	Light-sensitive buttons

## Events Registration

Registration of power outages	Last 10 events with date & time
Reverse current flow indication	Indication on LCD
Meter programming	Last programming date & time

## Case and Dimension Sizes

Case Materials	Reinforced Polycarbonate
Transparent UV Stabilized Cover	Reinforced Polycarbonate
Insulation	Protective Class II
Dimensions (mm)	165 x 112 x 60
Weight	1.0 Kg
Water-proof	IP54

## Accompanied Software

Bluestar Metering Program will be provided on request or with meters purchasing.

This Windows-based application can be used to program meter's parameters and read meter's data.

