

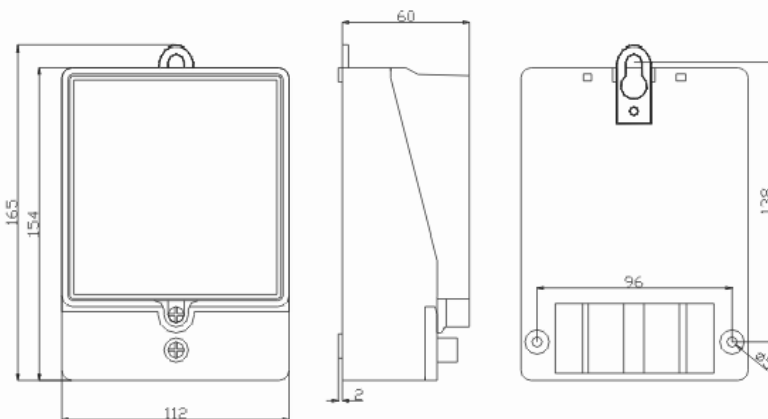
C1000-M Series

Singlephase Multifunction Electricity Meter



Smart Meter

- 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



C1000 Technical Specifications

Ratings

○ System	Single-Phase 2-wire
○ Accuracy class	Class 1 IEC 62053-21, IEC 62052-11
○ Reference voltage	U_n 110V; 220V; 230V; 240V
○ Reference (maximum) current I_b (I_{max})	1.5 (6) A 5 (60) A 10(120) A
○ Current threshold	0.002% I_b
○ 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.