

C1000 Series

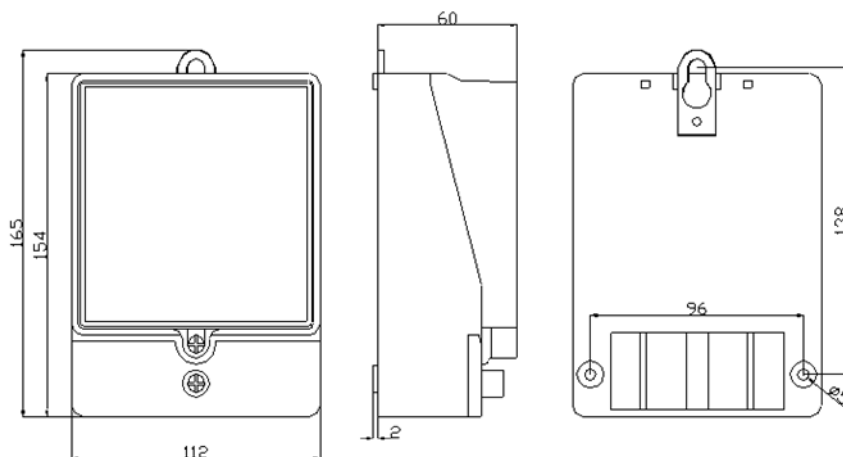
*Singlephase
Multifunction
Electricity Meter*



Smart Meter

- Measurement of active electricity energy
- Maximum Demand Registration
- Load monitoring with Instantaneous Voltage & Current
- 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

External Profile



C1000 Technical Specifications

Ratings

- | | |
|---|-----------------------------------|
| ○ Standard | IEC 62053-21, Single-Phase 2-wire |
| ○ Accuracy class | Class 1 |
| ○ Reference voltage | U_n 110V; 220V; 230V |
| ○ Reference (maximum) current I_b (I_{max}) | 1.5 (6) A 5 (60) A 10(120) A |
| ○ Current threshold | CT 0.2% I_b Direct 0.4% 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 4 daily profiles |

Communications

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

Inputs and Outputs

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|------------------------------------|---------------------------|
| ○ Electric pulse output (SO) | Test output |
| ○ LED test output (meter constant) | 500, 1000 or 4000 imp/kWh |
| ○ Keypad | Light-sensitive |

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.