

Features

- · Reading Display in Case of Power Outage/Failure
- Display Scroll and MDI Reset Button
- Long Life, Clear, Wide and High Contrast Display with Broad Viewing Angle
- Phase Indication (A, B, C) and Indication of Load with Blinking Circle Around the Respective Phase on LCD
- Active and Reactive Energy Accumulation
- Active and Reactive Power Measurement
- Load Profile Data Recording with Programmable Time Interval
- Pulse Output Display on LED for kWh and kvarh for Field Testing
- Built in Advanced GSM/GPRS Engine for Secure and Fast Data Communication
- · Low Battery Indication on LCD
- GSM/GPRS Module Communication Status Indication on LCD
- · On Demand Manual and Automated Meter Reading
- Meter Data Management with Multi-User Capabilities
- Customized Automatic Meter Reading Options i.e. Hourly, Daily, Weekly, Monthly, etc.

Billing Record

Monthly reading for last 24 months of 4 tariffs and totals (TL) of the following:

- kWh
- kvarh
- Cumulative MDI(kW)

Event Record

More than 20 different types of events and logging & storage of the last 50 occurrences with date and time stamp of each event are available such as:

- Power Fail
- Phase Fail
- Reverse Energy
- Over Voltage
- Over Load
- Under Voltage
- MDI Reset
- CT Fail
- PT Fail
- · etc.

Security Features

- The meter is protected against any loss of data and functional performance due to any external interference such as influence of CD drive, mobile phones and complies with all relevant IEC/ANSI standards.
- The meter is protected against the influence of strong magnetic field.
- Each meter has a unique serial number in its memory which can be displayed on the LCD.
- · Meter keeps on operating with or without neutral wire.
- Over and under voltage indication with symbols $(\uparrow\downarrow)$.
- Demand over load warning.
- Meter body opened Indication on LCD ("PENEd") & storage of event with date and time stamp.
- Identification (with symbol ← on LCD) & storage of Reverse Energy Flow event with date & time stamp.

Instantaneous Quantities Display

•	Voltages	$U_{\scriptscriptstyle 1},U_{\scriptscriptstyle 2},U_{\scriptscriptstyle 3}$
•	Current with Indication of Direction	$l_1, l_2, l_3 \rightleftharpoons$
•	Phase Indication	A, B, C
		$\mathbf{A} \mathbf{B} \mathbf{B}$

Load Indication

(Blinking circle around the present phase)

Active Power (kW) kW₁, kW₂, kW₃ (₹) with Indication of Direction

Reactive Power Phase Wise
 Apparent Power Phase Wise
 Power Factor by Phase
 kvarh, kv

 $\begin{array}{lll} \text{Power Factor by Phase} & \text{PF}_1, \, \text{PF}_2, \, \text{PF}_3 \\ \text{Meter Clock} & \text{Date \& Time} \\ \text{Tariff Indication} & \text{T}_1, \, \text{T}_2, \, \text{T}_3, \, \text{T}_4 \\ \end{array}$

Frequency Fr - Hz

Battery Voltage btry-3.65V

Weight and Dimensions:

•	Weight	2kg (±5%)
•	Dimensions	30 x 24 x9(cm)

Temprature Range

•	Specified Operating Range	-25°C to 60°C
•	Limit Range of Operation	-25°C to 80°C
	(Extreme Condition)	
•	Limit Range for Storage	-25°C to 80°C
	& Transportation	

Electrical Specification

•	Operating Voltage	3x63.5/110V
		3×230/400V
•	Basic/Max Current	5/10 A
•	Reference Frequency	50Hz
•	Accuracy Class	
	√ For Active Energy	Class 0.5S

✓ For Active Energy Class 0.5S
✓ For Reactive Energy Class 2.0
Meter Constant

✓ Active & Reactive 4,500 imps/kWh
✓ Starting Current Less than 10mA
Power Consumption

✓ Voltage Circuit Less than 0.8W, 1VA
✓ Current Circuit Less than 1VA (at basic current)

Load Profiling

4 channel recording of load profile data with 30 min interval for 90 days, 60 min interval for 180 days and 24 hour interval for 12 years. Load profile data is stored in non-volatile memory (EEPROM).



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