

*Direct-connected Single-phase Energy Meter*

Eis single-phase static electricity meter is designed for measurement of electric energy flowing in one or two directions in households and commercial customers in single-phase 2-wire networks. It complies with the IEC for class 1 or 2 and is manufactured in compliance with the MS ISO 9001 and MS ISO/IEC 17025 standard.

**Application**

- Domestic billing
- Small commercial premises

**Benefits**

- Compact and accurate
- Protects against temper attempts
- Large display

**Features**

- High stability and easy implementation.
- Measures KWh energy, which is the summation of the forward and reverse energy.
- Meter reading is available even in low light conditions.
- LCD display which can display 8 digits together with backlit.
- Non-volatile memory to store the last reading. Data is retrievable in case of meter faulty.
- One testing LED with pulse output for accuracy test. A second LED is provided to indicate reverse energy flow.
- Long lifespan LCD with operation temperature 0°C to 55°C.
- Anti-tamper ability with independent seal of meter cover and terminal cover.

## Technical Specifications

### Electrical

Connection type	Direct Connected
Wiring configuration	Single Phase, Two wire
Operation voltage range	100V-500V
Nominal voltage	240V
Accuracy	Class 2.0
Current	Basic 10A, Maximum 100A
Frequency	50Hz
Measured values	KWh energy of forward and reverse
Verification output	1 pulse-output LED for accuracy testing. Pulse output constant: 800imp/kWh.

### Compliance

Standards	IEC 62052-11 [2003]; IEC 62053-23 [2003]; IEC 62053-21
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### Environmental

Ingress protection	IP54
Humidity	Up to 100%
Operating temperature	-25°C to 75°C
Storage temperature	-40°C to 80°C

### Display

Display type	Large character legible LCD with backlit.
Number of digits	6 + 2
Dimension of digits	Length: 16.5mm , Width: 8mm

### Mechanical

Terminal cover	Extended type
Terminal screw	Two fixing screw for each terminal
Dimensions	

