

Single Phase Static Energy Meter

The HXE 12 Electronic single Phase Energy Meter are designed for measurement of electric energy for domestic and commercial customers in single phase two wires networks. The meters comply with the IEC 62052-11 & 62053-21 standard for accuracy class 1 and meters are manufactured in compliance with the ISO 9001, ISO 14001 and OHSAS 18001 standards.

Metering System

The metering system employs a high quality special measuring IC. The metering elements are shielded against strong external magnetic field up to 0.7 Tesla and is protected against over voltage and high frequency disturbances. Such a design of metering element assures excellent metering features, high metering reliability and negligible effect of influence quantities and requires no re-calibration over meter's entire life span.

Meter Housing

Ergonomically designed housing is made of Fire retardant polycarbonate and can be recycled at the end of the meter life. It assures protection Class-II and IP 54 protection against dust and water penetration. Static Single Phase Energy Meters are housed in Security Boxes Made of Fire Retardant Polycarbonate whereas upper and lower parts of Security Boxes are welded together through high frequency Ultra Sonic welding Techniques.

LCD Display

The 7-segment / 14-segment LCD is 8-digit, measuring data are displayed as eight-digit value (all integers or with one or more decimals). The identification codes of displayed data are available with each quantity.

Security

LED indicators available on face plate for Power, Reverse, Impulse/kWh, Neutral and Earth indications. Meter can also record energy in absence of neutral.

Main Features

- Single Phase, Two Wire, 240V, 10(40) A, 50Hz, Accuracy Class 1.
- Meter constant 3200 impulses/kWh.
- Meter complies with IEC Standards 62052-11 & 62053-21 and WAPDA Specification DDS-65:03

- Meter records Energy (kWh) in the absence of Neutral.
- Meter has static components.
- Advance technology based on Micro controller has been used.
- Meter Provide High level Accuracy, High security, Reliability and Excellent performance.
- Meter provide protection against transients in power line.
- Not effected by partial or fully earthed load.
- Meter is properly shielded against the effect of strong magnetic field.
- Meter provides safeguard against the theft of energy (kWh) through dimmer.
- Meter is equipped with fixed long life battery to display reading in case of power outage.

