

## **HXE Series Single Phase Two or Three Wire Compact Electronic Meter**



HXE-S Series Single Phase socket type two wire and three wire compact electronic meter was developed to meet the changing requirements of worldwide utility markets.

The HXE-S meter benefits from modern technology and up to date manufacturing techniques resulting in one of the smallest, lightest and cost effective meter ever produced.

This meter is a completely current credit meter, capable of measuring kW-h under standards ANSI C12.10 and IEC 62053-21 & IEC 62052-11 Class 1.0

An LCD will display the entire meter's data. Cyclometer register is optional.

### **Product Features**

- Single and Multi-rate options
- Optical IEC 1107 Flag Port (optional)
- Active Energy and Maximum Demand (optional) measurement
- Reverse Energy Register (separately record or add to forward register as required)
- Fraud Protection
- Compact size and weight
- Display remains operative in the event of supply failure (optional)

### **Product Highlights**

This meter can be supplied with a large digit LCD or a Cyclometer Register. The use of innovative metering technology provides high security and ensures the meter maintains its accuracy over its full operating range.

### **Meter Case**

Meter cover is made of self-extinguishing recyclable polycarbonate. It has double insulation and has IP53 protection against dust and water penetration. The meter base is made of high quality bakelite.

## LED Indicator

A high light LED is mounted on the front of the meter, pulsing at a rate proportional to the measured load. The pulse value is identified on the meter cover. The pulse can be used for checking calibration of the meter.

## Communication

The meter has an optical interface based upon IEC 1107 protocol. The user can program meter parameters or download recording data through this optic port. Optional built-in RS-485 or RS-232 port for accessing to AMR system.

## Reverse Energy

Reverse Energy is detected if export energy greater than the meter's starting threshold is measured. If reverse energy is detected, the alarm flag will display on the LCD. The meter will register the reverse energy as forward energy. (Unidirectional meter measuring energy).

## Technical Specifications

Applied Standards	ANSI C12.10, IEC 62053
Typical Accuracy	0.5; 1.0
Meter Form	1S, 2S, 12S
Meter Class	Class 100, Class 200
Starting Current	Less than 5 W
Nominal Voltage (Un)	120, 120/240, 120/208 V
Voltage Range	0.87Un to 1.2Un
Frequency	50/60 Hz
Operating Temperature Range	-25°C to +60°C
Storing Temperature Range	-30°C to +70°C
Current Circuit burden	<0.3 VA
Voltage Circuit burden	<0.8 W / 3.5 VA
Dielectric Strength	4 kV, 50 Hz, 1 min.
Impulse Voltage	6 kV, 1.2 / 50 μs
Short-circuit Current	30 I max
Burst Test	4 kV (IEC 801+4)

