



## Three Phase Integrated Electricity Meter

HXE312-KP is a three phase direct connection keypad prepayment meter with AMR/AMI enable. It complies with open standard (STS and DLMS) and can operate under standard vending system from third parties. The meter is supported by Hexing's powerful vending and management system software.



### Features

- STS standard protocol ensures an open and secure operating system
- Optical communication, open protocol: DLMS/COSEM Standard (E Mode)
- Internal switch relay for load demand control by configuration or remote communication
- Prepayment and post-payment mode switchable for users' convenience



### Functionalities

#### Measurement

- Unidirectional or bi-directional measurement
- Active energy, active reverse energy measurement
- Instantaneous value measurement

#### LCD Display

- Balance display configurable
- Large digit LCD display, easy for reading
- LCD backlights to increase readability in low light conditions (optional)
- Scrolling display configurable for instant information enquiry.
- Display the latest 6 months active energy consumption
- 12-month billing data and more frozen data for inquiry
- Display readable without mainpower (RWP)
- RS485 Communication with interface in accordance to DLMS standard (optional)

#### Event Record

- Multiple event detections and records with categories of operation, power grid and tampering.

#### Tampering Proof

- Meter cover open detection and record
- Meter terminal detection and record
- Bypass (optional)
- Large magnetic event (optional)

# Technical Specifications

<b>Accuracy</b>	Class 1 or 2 (IEC), Class A or B (MID)
<b>Voltage</b> Reference voltage Operating voltage range	3×220/380V-3×240/415V 70%-120%Un
<b>Current</b> Basic current Maximum current Starting current	5A,10A 40A, 60A, 80A, 100A < 0.4%Ib
<b>Frequency</b>	50Hz or 60Hz
<b>Temperature</b> Operation range Limit range for storage and transport	-25°C to +70°C -40°C to +85°C
<b>Humidity</b>	Up to 95%
<b>Power Consumption</b> Power consumption in voltage circuit (active) Power consumption in voltage circuit (apparent) Power consumption in current circuit	≤2 W ≤10 VA ≤1 VA
<b>Insulation Strength</b> AC voltage test Impulse voltage test	4kV during 1min 1.2/50μs mains connections 6kV
<b>EMC</b> Electrostatic discharges (Contact discharges) Electrostatic discharges (Air discharges) Surge immunity test Fast transient burst test Electromagnetic RF fields (80MHz to 2000MHz)	8kV 15kV 4kV 4kV 10V/m(with current), 30V/m(without current)
<b>Connection Terminals</b>	∅ 8mm
<b>Housing</b> Protection degree Meter cover  Meter base Terminal cover	IP54 Opaque PC+ fiber glass with a transparent window Opaque PC+ fiber glass Opaque PC+ fiber glass



# Technical Specifications

<b>Display</b> Digit size Number of digits	4.5mm x 8.8mm 8
<b>Communication Interface</b> Optical communication RS485	DLMS/COSEM DLMS/COSEM
<b>Dimensions</b>	266mm×175mm×89mm

