



HXE23K&HXE34K DC

**Poly Phase
Electronic Meter**

杭州海兴电力科技股份有限公司
HEXING ELECTRICAL CO.,LTD

同力电气

Focus on creating value for clients

HXE23K&HXE34K DC

HXE23K&HXE34K Direct Connection meter is applied in two or three phase network for measuring active and reactive energy. It features compact design and multi communication protocol.



Main functionalities

Measurement

- 2P3W or 3P4W Connection
- Direct connection
- Import & Export kWh
- Import & Export kvarh

Instantaneous Values

- Power, voltage, Current
- Power Factor, Frequency

Communication

- Optical port: IEC62056-21E (DLMS)

LCD

- Display area size 79.5mm×22mm
- Display digital size 10mm×5mm
- Backlight
- Configurable automatic & manual display list
- OBIS codes (according to IEC62056-64)
- RWP (Read Without Power) by Super capacitor



Anti-Tamper

- 4 sealing position(2 terminal cover, 2 main cover)
- 1 Sealable button (optional)
- Reverse
- Phase Sequence Reverse (only for 3P4W)

杭州海兴电力科技股份有限公司
 HEXING ELECTRICAL CO.,LTD

同方

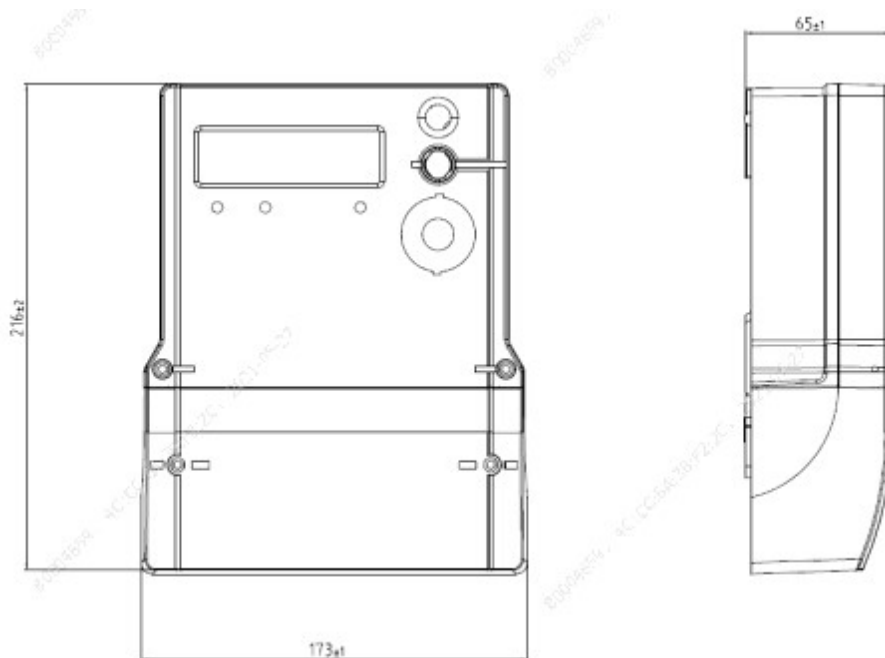
Specifications

Application		Direct Connection
Accuracy	Active	Class 1
	Reactive	Class 2
Voltage	Voltage range	2 x 120 /208 V(HXE23K DC, 2P3W)
		3 x 120 /208 V(HCE34K DC, 3P4W)
		3x57.7/100 - 3x 277/480 V(HXE34K DC, 3P4W)
Current	Basic current	5A
	Maximum current	100A
	Starting current	$\leq 0.4\%I_b(\text{Active})$, $\leq 0.5\%I_b(\text{Reactive})$
Frequency		60Hz $\pm$ 2%
Temperature	Operation range	-40°C~70°C
	Limit range for storage and transport	-40°C~70°C
Humidity		Up to 95% non-condensing
Power Consumption	Power consumption in voltage circuit (active)	≤ 1 W
	Power consumption in voltage circuit (apparent)	≤ 2 VA
	Power consumption in current circuit	≤ 0.1 VA
Insulation Strength	AC voltage test	4kV during 1min
	Impulse voltage test	1.2/50 μ s mains connections 6kV
	Protective class	Class II
EMC	Electrostatic discharges(Contact discharges)	8kV
	Electrostatic discharges(Air discharges)	15kV
	Surge immunity test	4kV
	Fast transient burst test	4kV
	Electromagnetic RF fields (80MHz to 2000MHz)	10V/m(with current), 30V/m(without current)
Connection Terminals		9mm x 9mm
Housing	Protection degree	IP54(without suction)
	Meter cover	Opaque PC with a transparent window
	Meter base	Opaque PC
	Terminal cover	Transparent PC
Communication Interface		Optical communication IEC62056-21E (DLMS)
Weight	Net weight	Approx.0.9kg(2P3W)
		Approx.1.0kg(3P4W)
	Package	Approx.0.1kg
Dimension		With long terminal cover 216mmx173mmx65mm
Standard		IEC62052-11, IEC62053-21, IEC62053-22, IEC62056-21

杭州海兴电力科技股份有限公司
 HEXING ELECTRICAL CO.,LTD

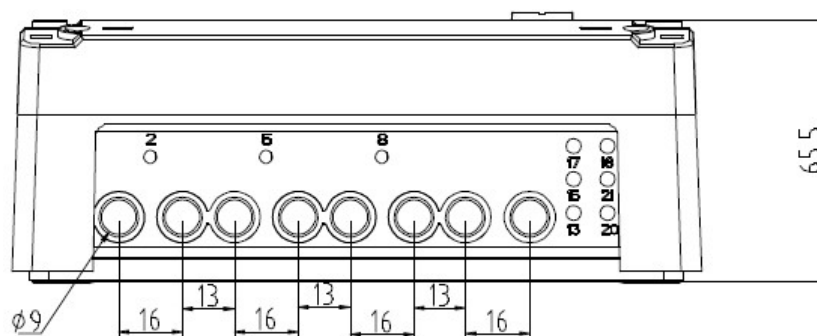
同方
 17

■ Dimensions



Long terminal cover

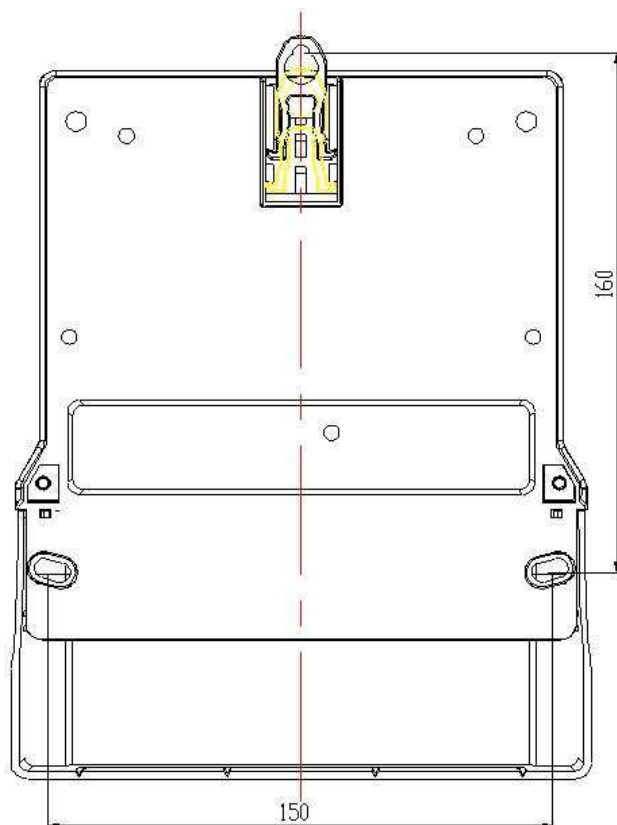
● Terminal drawing



Terminal drawing

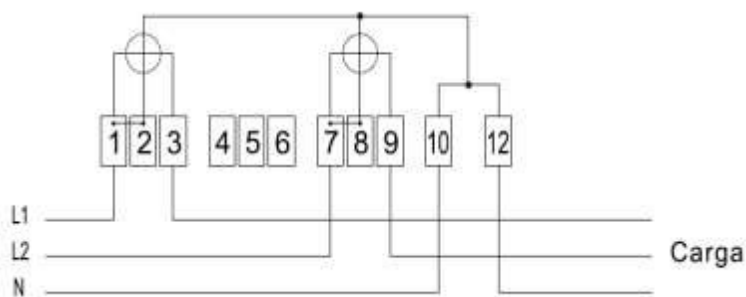
杭州海兴电力科技股份有限公司
 HEXING ELECTRICAL CO.,LTD

同方电气 17

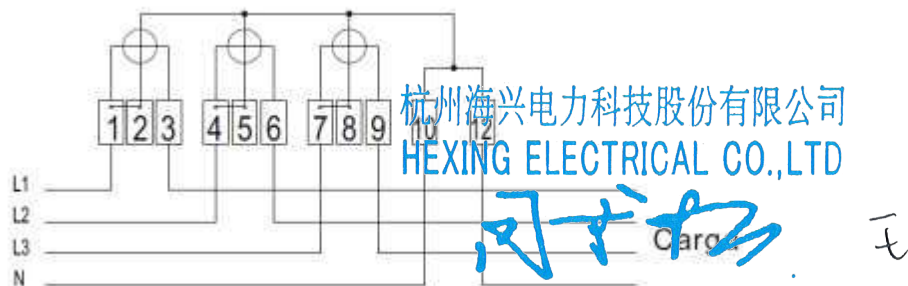


Installation Dimension

■ Connection Diagram



2P3W DC Asymmetric Connection



3P4W DC Asymmetric Connection