

Ordinary (Simple function)
Electricity Meter

Multi-functional Electricity
Meter

Prepayment Electricity Meter

Smart Electricity Meter

Customer Interface Unit

Data Concentrator Unit

HHU



P34S02-CT/CTVT

Three-phase C&I Smart Meter

The P34S02-CT/CTVT series are used to measure and record the electrical power consumption of industrial and commercial applications. With advanced functionalities on smart energy management and communication abilities over GSM/GPRS, RS485, the meters is mainly used for AMI/AMR/AMM and smart grids.

Key Feature

- Measurement of instantaneous quantity, average quantity and energy;
- LCD menu display, low power display, OBIS code display, key-on wakeup;
- Daylight saving time; Persian date
- Import and export active power; absolute active power; import & export reactive power; four quadrants reactive power; appearance power; the cumulative energy within period 1; day cumulative energy;
- RS485 communication with interface in accordance to DLMS standard
- Record of events; error and alarm; (dis)connect control; energy quality management; demand manager; firmware upgrades
- Fraud detection log
- Maximum 4 tariffs; two sets of tariffs; billing of last 12 months; load profile; day freezing profile
- Firmware remote upgrade

To Optimize Power Grid Value

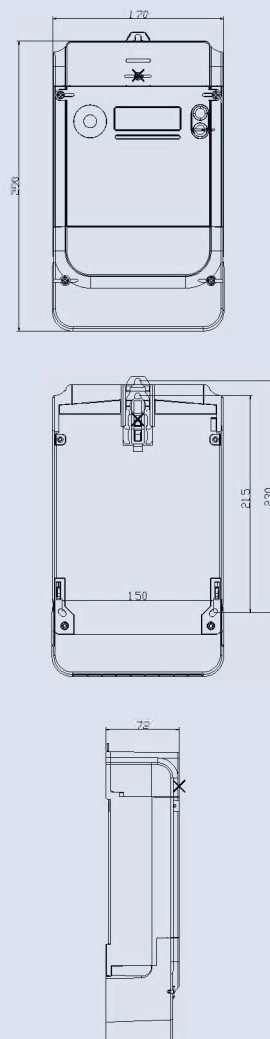


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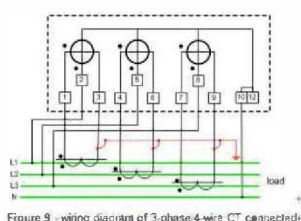
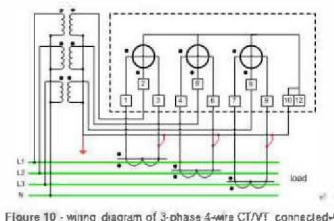
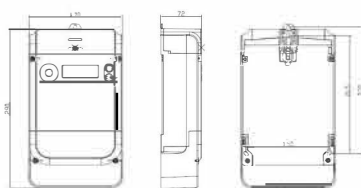
Technical Specifications

Accuracy		Active CI1.0; Reactive CI2.0
Voltage	Reference voltage	3x230V/400V;
	Operating voltage range	0.8Un ~ 1.15Un
Current		1A
	Basic current	5,10A
	Maximum current	0.1%Ib
	Starting current	50Hz
Frequency		
Temperature	Operation range	-30°C to +70°C
	Limit range for storage and transport	-40°C to +80°C
Humidity		Up to 85%
Power Consumption	Power consumption in voltage circuit (active)	≤2W
	Power consumption in voltage circuit (apparent)	≤10VA
	Power consumption in current circuit Insulation	≤0.5VA
Strength	AC voltage test	4kV during 1min
	Impulse voltage test	1.2/50μs mains connections 6kV
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, 30V/m
Connection Terminals		φ 10mm
Housing	Protection degree	Ip54
	Meter cove	Opaque PC+fiberglass
	Meter base	Opaque PC+fiberglass
	Terminal cover	Opaque PC+fiberglass (current)
Display	Digits size	5*10mm
	Number of digits	6+2
Communication Interface	Optical communication	DLMS/COSEM
	RS485/PLC/4G/NB~IoT/GPRS/M-Bus	DLMS/COSEM
Weight	Net weight	Approx. 1.65kg
	Package	Approx. 1.4kg
Dimension		290mm×170mm×72mm
Standard		EC Directive 2004/22/EC EN50470-1:2007 EN50470-3:2007 IEC62052-11:2003 IEC62053-21:2003 IEC62053-22:2003 IEC62053-23:2003 IEC62056-21:2002 IEC62056-46:2006 IEC62056-47:2006 IEC62056-53:2006 IEC62056-61:2006 IEC62056-62:2006 IEC 61334-4-1:1996 IEC 61334-4-32:1996 IEC 61334-4-41:1996 IEC 61334-4-42:1996 IEC61334-4-511:2000 IEC 61334-5-1:2001

Dimensions



Connection Diagram



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