

## Smart Three-Phase Prepayment Residential Meter

HXE310-P is a smart three phase prepayment residential meter to provide local and remote reading, writing and credit charging through STS standard and varying plug-play communication modules



STS

STS Standard

CTS

CTS standard



Built in relay control

P P

Prepaid/Postpaid switch



Import and export measurement



Multiple communication



Demand Monitoring



Anti-Tamper



Maximum Demand



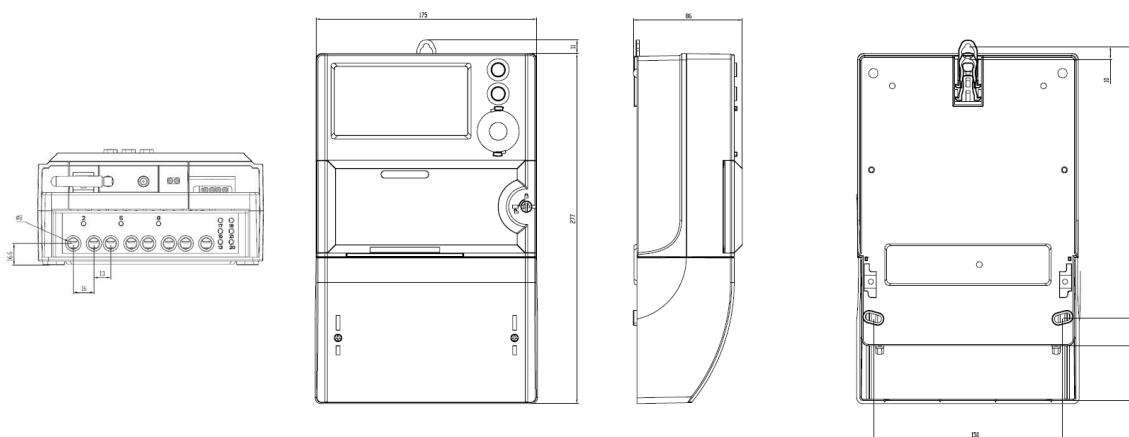
Load Profile



Local and remote charge



CIU





## Technical Specifications

Accuracy	Active:	Class 1 (IEC) / Class B (MID)
Nominal Voltage	Three-phase 4 wire	3 x 110/190V 3 x 240 / 415V (-20%..15%)
Current Range	Ib/Iref I <sub>max</sub>	5A, 10A, 80A, 100A
Starting current	According to IEC	0.4%I <sub>b</sub>
Frequency		50 / 60Hz, +/- 5%
Power consumptions	Phase Voltage, voltage Circuit, current circuit	3x230 / 400V <1W, <5VA <0.1VA
temperature range	Operation: Storage:	- 25° C to +55° C - 40° C to +70° C
Humidity Range		up to 95%
Protection Degree		IP54 (indoor)
EMC	Surge(1.2/50µs) EMC environmental conditions	6KV acc.IEC 62052-11
RTC	Clock Accuracy	< 0.5s/day
Standards	IEC Standard MID Standard	IEC 62052-11 IEC62053-21 EN54070-1 EN54070-3
Communication	Built in Modules (optional)	Optical, RS485 / MC171 / M-BUS 2G / 3G / PLC / RF - Mesh / Ethernet
Output/input	1x electronic outputs (optional)	acc. IEC 62053-31
Data Storage	Load Profile (optional) Billing Data	8 channels 12 billing periods
Terminals		BS7B56
Battery		Exchangeable
Disconnecter	Maximum Switch Voltage Maximum switch current short circuit ≤ 10ms Mechanical life Electrical Life	250V 100A 3000A according to IEC62053-21) ≥ 300000 OPS ≥ 10000 OPS
Housing Material		Polycarbonate GF

