

HXE310-P

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 \rightleftharpoons P

Prepaid / Post-paid switch



Import and export measurement



Multiple communication



Demand Monitoring



Anti-tamper

MD

Maximum demand



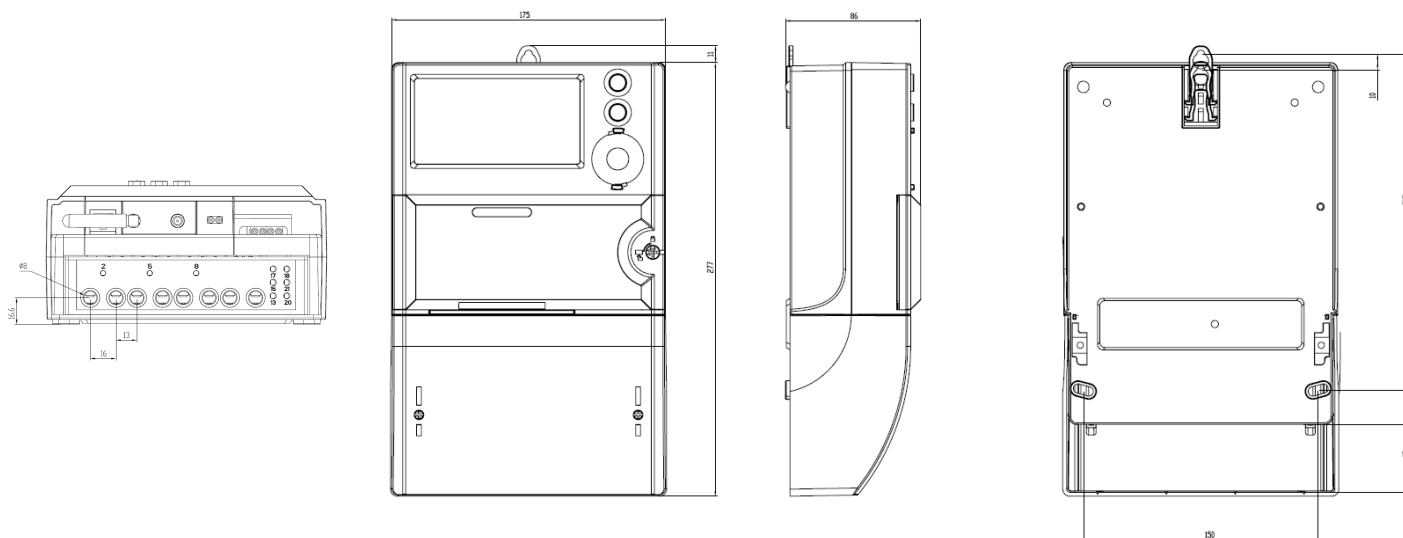
Load profile



Local and remote charge



CIU



TECHNICAL SPECIFICATION

ACCURACY	Active:	Class 1 (IEC) / Class B (MID)
NOMINAL VOLTAGE	3 phase 4 wire:	3 x 110 / 190V...3 x 240 / 415V (–20%..15%)
CURRENT RANGE	Ib / Iref I _{max}	5A, 10A, 80A, 100A
STARTING CURRENT	According to IEC	0.4%Ib
FREQUENCY		50 / 60Hz, +/– 5%
POWER CONSUMPTION	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 / 50 μ s) EMC environmental conditions	6KV acc.IEC 62052–11
RTC	Clock Accuracy	< 0.5s / day
STANDARDS	IEC standard MID standard	IEC 62052–11 IEC 62053–21 EN54070–1 EN54070–3
COMMUNICATION	Built-in Modules (optional)	Optical, RS485 / MC171 / M–BUS 2G / 3G / PLC / RF–Mesh / Ethernet
OUTPUT/INPUT	1 x Electronic outputs (optional)	acc.IEC 62053–31
DATA STORAGE	Load profile (optional) Billing data	8 channels 12 Billing periods
TERMINALS		BS7856
BATTERY		Exchangeable
DISCONNECTOR	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

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