

HXE110-P

Smart Single Phase Prepayment Residential Meter



HXE110-P is a smart single 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 / Post-paid switch



Import and export measurement



Multiple communication



Demand Monitoring



Anti-tamper

MD

Maximum demand



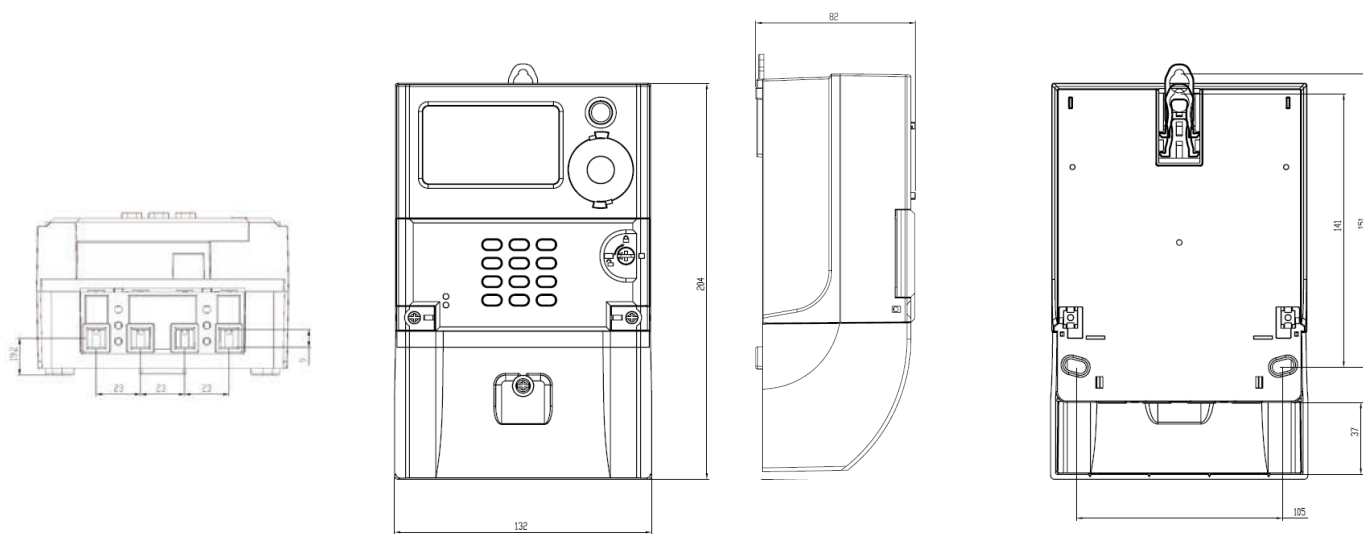
Load profile



Local and remote charge



CIU



TECHNICAL SPECIFICATION

ACCURACY	Active:	Class 1(IEC) / Class B (MID)
NOMINAL VOLTAGE	1 phase 2 wire:	110V...240V (±20%..15%)
CURRENT RANGE	I _b / I _{ref} I _{max}	5A, 10A, 80A, 100A
STARTING CURRENT	According to IEC	0.4%I _b
FREQUENCY		50 / 60Hz, +/− 5%
POWER CONSUMPTION	Phase voltage Voltage circuit : Current circuit :	230V < 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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