CHINT

Empower the World

CHD130

Single Phase DIN-Rail Meter

ELITE series

- Post-paid and Pre-paid Configurable
- Compact Structure Design
- Ultra Anti-Tamper

AMI | STS | DLMS | ANTI-TAMPER

Chint Global

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A CHINT COMPANY

CHD130 Single Phase DIN-Rail Meter

SPECIFICATIONS

Measurement

- Compliance with IEC/STS standard
- Element: 1 phase 2 wire / 1 phase 3 wire
- Accuracy: Class 1.0/0.5 for active

Voltage

- Nominal voltage (Un): 110V, 120V, 220V, 230V, 240V
- Operating range: 0.4Un-1.2Un
- Power consumption: Voltage circuit ≤ 1W, 5VA
  Current circuit ≤ 2VA

Current

- 5(60)A/5(80)A/5(100)A

Frequency

- 50Hz or 60Hz

Real-time Clock

- Accuracy within 0.5 seconds per day at 23° C

LCD Display

- Energy impulse output
- Alarm indication include tampering and relay state
- Energy reverse for postpaid mode Balance for prepaid mode

Battery (Optional)

- Built-in battery
- Voltage: 3.6V nominal
- Backup time: 10 years with power

Measured Values

- Total kWh
- Instantaneous kW, Irms, Vrms
- Cumulative and credit energy

Relay

- Internal relay
- One or Two relays
- Relay will disconnected when meter tamper, overload, credit not enough

Communications

- Optical port: IEC62056-21 compliant
- Uplink: RS485 / PLC
- Downlink: PLC / Mbus / RF / Bluetooth
- DLMS/COSEM communication protocol compliant
- Communication with CIU and DCU supported

Event Logs (Optional)

- Standard event, tamper event, control event, grid event
- Configurable event alarming system (LED and buzzer)
- Meter tamper state indication on CIU LCD and LED

Security

- Compatibility STS
- 20 digits token transfer into meter through keypad or remote communication.

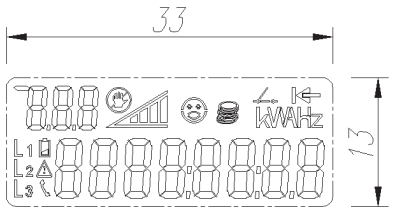
Environmental

- Operating range limit: -40° C to +75° C
- Storage range limit: -40° C to +85° C
- Relative humidity: ≤ 95%RH
- Ingress protection: IP54

Dimensions and Weight

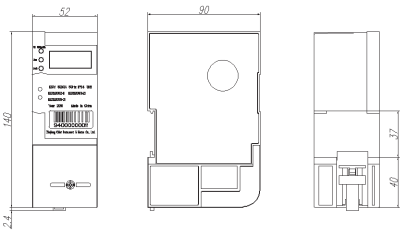
- Dimensions: 140mm×90mm×52mm
- Weight: 0.6 kg (Approx.)

LCD INDICATION



- Units: mm

METER DIMENSIONS



- Units: mm

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