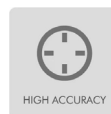




CHA120 Smart ANSI Meter

ALTITUDE series

- ▶ Ultra Anti-Tamper Features
- ▶ Multiple Communication Methods
- ▶ Various AMI Functionalities



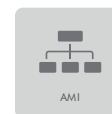
HIGH ACCURACY



MULTI-COMMUNICATION



RELAY



AMI

CHA120 Smart ANSI Meter

SPECIFICATIONS

Measurement

- Compliance with ANSI C12.10, C12.20
- Form: FM1S, FM2S, FM4S, FM12S
- Accuracy: CA0.2 / CA0.5

Voltage

- Nominal voltage (Un): 120V, 240V
- Operating range: 0.50Un-1.9Un
- Power consumption: <2W, 5VA

Current

- TA: 2.5A, 15A, 30A
- CL: 10A, 100A, 200A

Frequency

- 50Hz or 60Hz

Real-time Clock

- Accuracy within 0.5 seconds per day at 23°C

LCD Display

- Large digit size: 12mm x 7mm
- Multi tampering and metering indication

Battery (Optional)

- Replaceable battery
- Voltage: 3.6V nominal
- Life time: 15 years

(Dis-)connector (Optional)

- Internal latch relay

Auxiliary Contact

- Relay control output

Measured Values

- Import/Export/Absolute kWh
- Instantaneous pf, kW, I, V, MD

Maximum Demand

- Maximum demand: kW, kVar
- Intervals programmable from 5 to 60 minutes

Time of Use (Optional)

- Up to 4 tariffs each day
- Up to 10 season profiles each year
- Up to 2 tariff schedules each season profile
- Programmable day profile for work day and festival separately

Event Logs (Optional)

- Tampering detection log
- Power quality measure log
- Standard event log
- Relay control log
- Configurable event alarm system

Security

- Three-level password protection
- Data encryption (optional)

Communications

- Optical port
- RS-485 port (optional)
- Bluetooth (optional)
- Cellular / Wi-SUN / G3-PLC (optional)

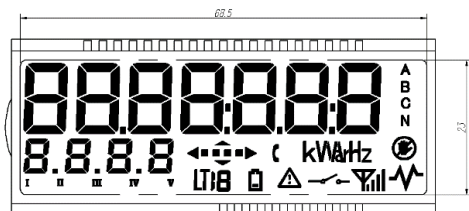
Environmental

- 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

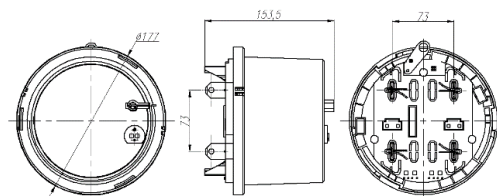
- Diameter: 177mm
- Height: 153.5mm
- Weight: 1.0 kg (Approx.)

LCD INDICATION



• Units: mm

METER DIMENSIONS



• Units: mm



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