



AES110B

Smart Single Phase Electricity Meter

Enabling – The future in Smart Metering

SMETS2 GBCS compliant

SW/FW OTA upgrades available

Secure & High speed & Modular communications

Memory headroom for future functionality

Installer friendly, Data privacy, 32-bit processor

Design for manufacturability & reliability



TECHNICAL SPECIFICATIONS

Measurement

- 1 element 4 terminals
- Active / Reactive / Apparent energy
- Active / Reactive/ Apparent Power
- Import / Export
- Instantaneous current/voltage
- Active: Class B, Reactive: Class 2

Rating

- Voltage operating range: 172.5V – 264.5V
- Current: 10A(100A)
- Ingress Protection: IP53
- Operation Temperature Range: -25°C to 55°C

Tariffs

- Support TOU Block mode
- Up to 48 tariff
- 4*8 Block register matrix, 4*8 Block price matrix

Security

- AES-128/ECC data encryption
- Meter cover open detections
- Comply to GBCS data security
- Beeper alarm

Communications

- GBCS baseline specification
- DLMS/COSEM compliant
- HAN: ZigBee SEP1.2 (<10mW)
- Optical port: IEC62056-21

Display

- 160*50 Dot Matrix LCD display
- Backlight configurable

Profiling

- Half-hourly: consumption data for last 13 months, export data (kWh) and reactive energy import/export (kvarh) of last 3 months
- Daily: consumption data (kWh) for last 2 years
- Current tariff information

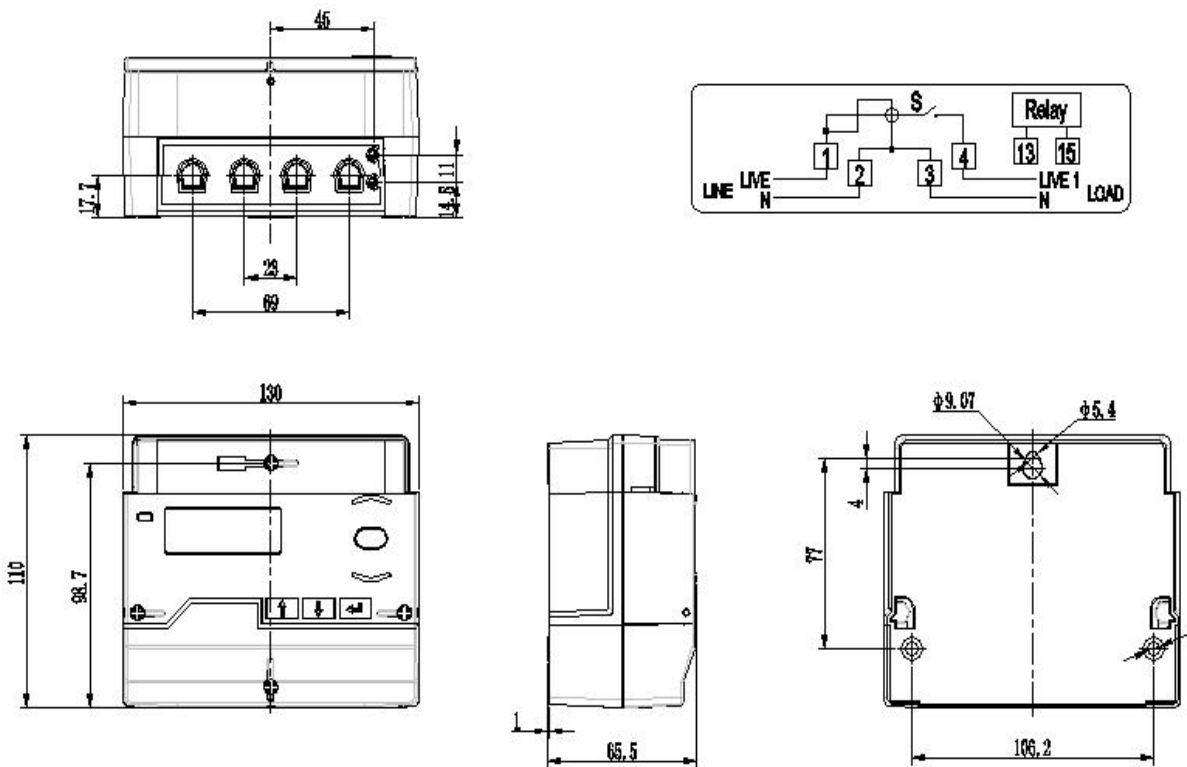
Physical Dimension

- H * W * D:
110mm*130mm*66.5mm
- Net weight:0.6kg

Relay

- 120A contactor
- 2A auxiliary relay
- Remote / Local/Time-based action
- ARM / Boost support

Outline and installation dimensions & Wiring diagram



Holley Technology Ltd
No.181 Wuchang Avenue
Yuhang District Hangzhou China
Tel: +86-571-89300881
Email: overseas@holley.cn
Website: www.holleytech.cn

Holley Technology UK Limited
200 Brook Drive, Green Park, Reading, United Kingdom
RG2 6UB
Tel: +44(0)1189 497 200
Email: info@holleytech.uk
Website: www.holleytech.uk