



# AES330B

Smart Poly 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

- 3 elements
- Active / Reactive / Apparent energy
- Active / Reactive/ Apparent Power
- Import / Export
- Instantaneous current/voltage
- Active: Class B, Reactive: Class 2

### Rating

- 3X230V/400V
- Work under 1 or 2 phase loss
- Current: 10A(100A)
- Ingress Protection: IP53
- Temperature operating 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
- CPA SC followed
- SMKI implemented
- Tamper detection

### Communications

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

### Consumer Interface

- 160\*50 Dot Matrix LCD display
- Configurable Backlight
- Beeper indication
- User-friendly operation

### 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

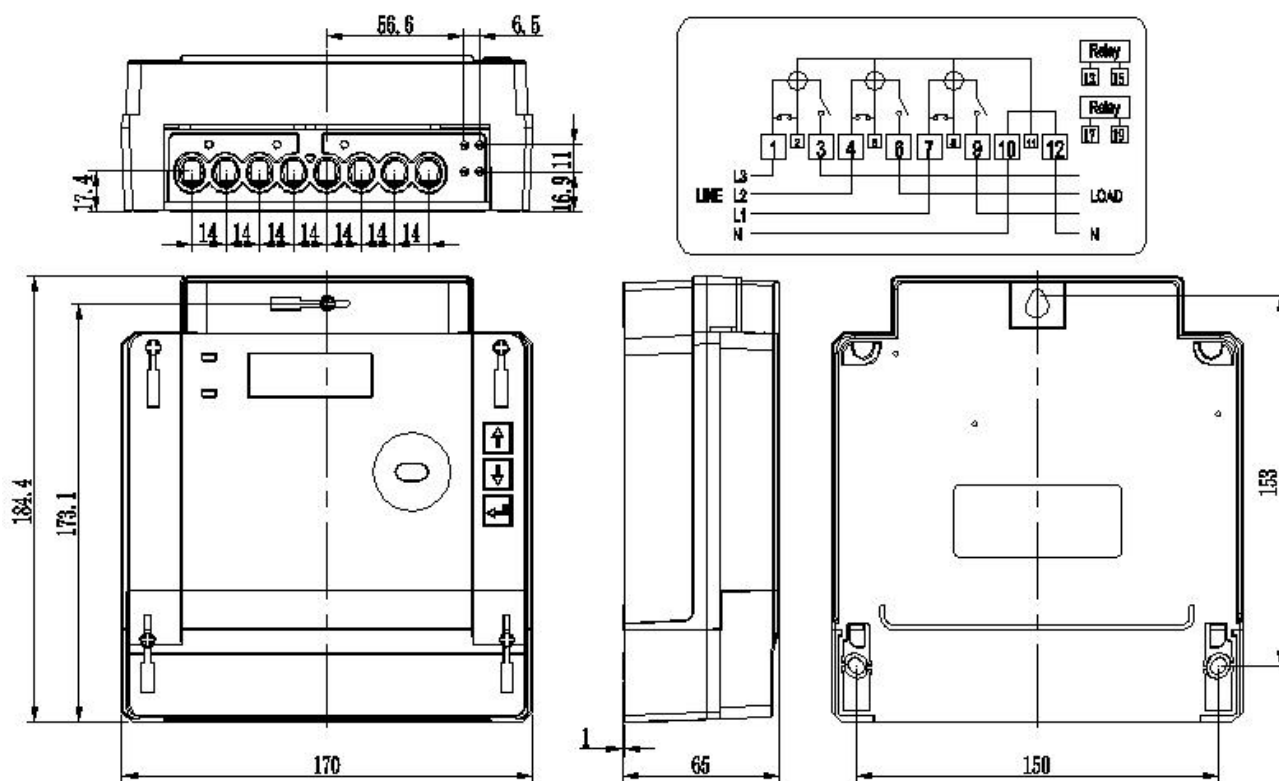
## Physical Dimension

- H \* W \* D:  
184.4mm\*170mm\*65mm
- Net weight: 1.3kg

## Relay

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

## Outline and installation dimensions & Wiring diagram



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