

# Mk31A

 **PAPILLON** - Class 1

Advanced Single Phase  
Electronic Revenue Meter

Mk31A is developed on the advanced Papillon metering platform which has an array of features such as neutral current measurement and tamper detection.



## I Key Features



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## Advanced Single Phase Electronic Revenue Meter



### Standards and Compliance

- Class 1
- IEC 62052-11 and 62053-21

### Measurement

- 1 phase 2 wire
- 1 phase 3 wire
- Option for neutral current measurement
- Measurement Sensor: Shunt

### Voltage

- Nominal voltage: 110V/220V - 240V
- Operating range: 0.7Un - 1.2Un
- Power consumption: <10VA 2W

### Current

- Basic current: 5/10A (Ib)
- Maximum current: 60A, 100A
- Power consumption: <2.5VA

### Frequency

- 50Hz or 60Hz,  $\pm 5\%$

### Meter Constant

- 1600imp/kWh or 3200imp/kWh

### Display and LEDs

- 7-segment LCD
- Large digit LCD
  - 8mm (H) x 4mm (W)
  - 12.2mm (H) x 5.3mm (W) [optional]
- 7-digit display (decimal customized)
- LED creeping indicator
- LED energy pulse output indicator (for energy measurement)

### Measured Values

- Import/Export/Absolute Wh

### Pulsing Output

- Pulsing LED for energy indication
- Energy pulsing output port

### Tamper Detection and Alarms

- Provision for sealing using seals
- Permanent sealed by glue/Breakable screw (optional)
- Unbalanced load indicator in LCD (optional)

### Environmental

- Specified operating range:
  - 30°C to +70°C
- Operating range limit:
  - 40°C to +75°C
- Relative humidity:
  - Up to 95% non- condensing

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