

# EM-122

*application*

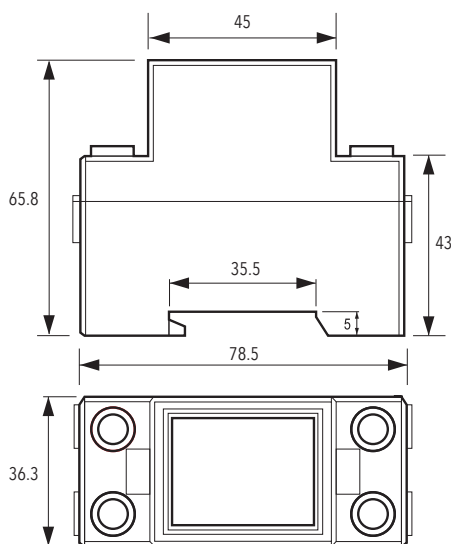

Model **EM-122** is a cutting-edge, high-precision, DIN Rail-mounted single-phase, 2-wire electronic active energy kWh meter. It features a horizontal 5+1 digit LCD, ensuring clear and accurate display of power consumption.

Utilizing advanced microelectronics and digital processing technology, the **EM-122** delivers reliable and precise active energy measurement for networks operating at 50Hz or 60Hz. Its robust design incorporates sophisticated microelectronics, providing exceptional immunity to electromagnetic interference, which guarantees stable and consistent energy measurement performance under various conditions.

**EM-122** complies to the requirement of class 1 active energy measurement and conforms to IEC62052-11 / IEC62053-21 standards.

*features*

- Bi-directional total active energy measurement
- Compact modular size with light weight for easy installation
- DIN-rail installation complying with DIN EN 50022 / DIN 43880
- Easy & accurate monitoring of energy consumption



• All measurement in mm.

| Specification     |                           | EM-122              |
|-------------------|---------------------------|---------------------|
| Accuracy          | Active                    | Class 1.0           |
|                   | Reactive                  | /                   |
| Voltage           | Range                     | 120 ~ 270 V         |
| Frequency         |                           | 50 / 60 Hz          |
| Current           | Range                     | 10(60) A            |
| Starting Current  |                           | 50 mA               |
| Constant          | Active                    | 1600 imp/kWh        |
|                   | Reactive                  | /                   |
| Display (Digit)   | Type                      | LCD                 |
|                   | Digit for (kWh)           | 5+1 (decimal place) |
|                   | Digit for (V)             | 3+1 (decimal place) |
|                   | Digit for (A)             | 2+2 (decimal place) |
|                   | Digit for (W)             | 3+1 (decimal place) |
| Power Consumption |                           | < 11 VA             |
| Temperature       | Working Temperature       | -20°C ~ +50°C       |
| Humidity          |                           | ≤ 95%               |
| Weight            |                           | ~110 g              |
| Standard          | IEC62052-11 / IEC62053-21 |                     |