



Smart meter for enhanced energy management

IE38MF





- Class B active energy
- Class 2 reactive energy



- MID compliant
- Multi-tariff measurement
- High temperature operation

The IE38MF meter with **recorder function** is intended for **energy measurements** in 3-phase power networks, suitable for residential, industrial, and utility applications. It measures energy in 3-wire and 4-wire networks by **fast sampling** voltage and current signals.

A **built-in microprocessor** calculates energy and other electrical quantities. It also manages the LCD, LED, IR communication, and optional extensions.

Key features

- ▶ **RTC backup** with super cap (7 days)
- ▶ **Two touch buttons** for easier navigation through menus (optional)
- ▶ **Internal recorder** for up to 4 * 32 measured parameters including all energy counters and 20 limits state changes (alarms) with **8 MB** flash memory
- ▶ **12 non-resettable energy counters** and 16 resettable energy counters
- ▶ **Multi-tariff measurement** of up to 6 tariffs, including the new Slovenian 5-tariff system
- ▶ **Tariff Scheduler:** Supports up to 4 seasonal 6 tariff configurations, each with 4 time points across 4 groups.
- ▶ **Energy Profile Tracking:** Monitors energy consumption data for the last 32 days and the last 24 months, showing total and phase-specific usage
- ▶ **Billing Feature:** Provides energy counter readings at the beginning of the current and previous month and year, facilitating accurate monthly and yearly consumption calculations

General specifications

- ▶ 80 A direct connection
- ▶ Bidirectional metering
- ▶ In accordance with MID
- ▶ 3-phase / 1-phase connection
- ▶ Multiple parameter measurements
- ▶ Matrix LCD
- ▶ Alarm function
- ▶ NFC
- ▶ 3 DIN module width
- ▶ 80 A @ 70 °C
- ▶ Tariff input & S01, S02 or M-Bus or MODBUS
- ▶ Side IR for add-ons