

# ME514-V5

## Prepaid Single-Phase Meter.



Iskraemeco's ME514 is a type of single phase electronic multi-function energy meter, which adopts advanced micro electronic technology and SMT production process.

The meter can measure single phase energy of specified voltage and frequency; it is also equipped with multiple functions which are step tariff, Billing, load limit alarm, the remaining days alarm and anti-tamper function, etc. The meter circuit is consisting of power supply, MCU, metering, IC card circuit, clock, LCD display, storage, relay drive circuit, battery circuit, etc.

## Features

- The IC card prepayment mode means pay first before energy use.
- Metering accumulative active energy, and the minimum metering energy is 0.01kWh.
- Metering the relay error energy and money, and the relay error consumption is included in the total consumption.
- Metering reverse energy, and the reverse energy is included in the total energy consumption.
- Display the instantaneous current, voltage, power, power factor.
- LCD display with Arabic language
- Support optical communication to read and set meter parameters.
- Sound and LED alarm
- With remaining energy alarm threshold and trip threshold, to remind users to recharge.
- With load control function
- Support double-loop metering to avoid tampering.
- Meter can detect cover open and terminal cover open even meter power off.
- Meter can work on 50Hz or 60 Hz based on the region working for.

## Technical specifications

ME514-V5	
Item	Technical spec (refer to the parameters on the nameplate)
Basic voltage	220V
Basic current	10(80)A
Accuracy class	Class C
Burden	Active power:0.6W
Pulse constant	800imp/kWh
Outline dimension	L226.8mm×W131mm×H72.5mm