



# ME431-Q4

Electric meter · Storage · Web server  
Multi-circuit rail-mounted smart meter

## Description

- Model Roc431-Q4
- Insulation Din-Rail
- Screen Size 2.0inch TFT
- Weight 259g
- Storage capacity 8GB
- Power Supply
  - ME431-Q4-2 85~305VAC/100~ 430VDC 50~60Hz
  - ME431-Q4-3 5~30VDC
- Voltage measurement range
  - 不超过 400 V L-N / 690 V L-L (3p4w) or 600 V L-L (3p3w)
- Communications
  - RS485 Modbus-RTU
  - RJ45 Modbus-TCP
- Supported power grid systems
  - 3P4W 4CT, 3P4W 3CT, 3P3W 3CT, 3P3W 2CT
  - 1P3W, 1P2W

## Features

- Scalable
- Supports CT and Rogowski Coil
- Built-in 8GB storage
- Built-in WEB server

## Measurement parameters

- Instantaneous value
  - Current
  - Voltage
  - Frequency
  - Power
- Electrical energy
  - Active power energy
  - Forward reactive energy
  - Negative active energy
  - Negative reactive energy
  - Tariff Energy
- Harmonic
  - Current harmonics,
  - current harmonic percentage
  - voltage harmonics,
  - voltage harmonic percentage
- Others
  - Demand
  - Maximum and minimum values of three-phase
  - unbalance degree
  - Phase diagram

## Multi-loop installation



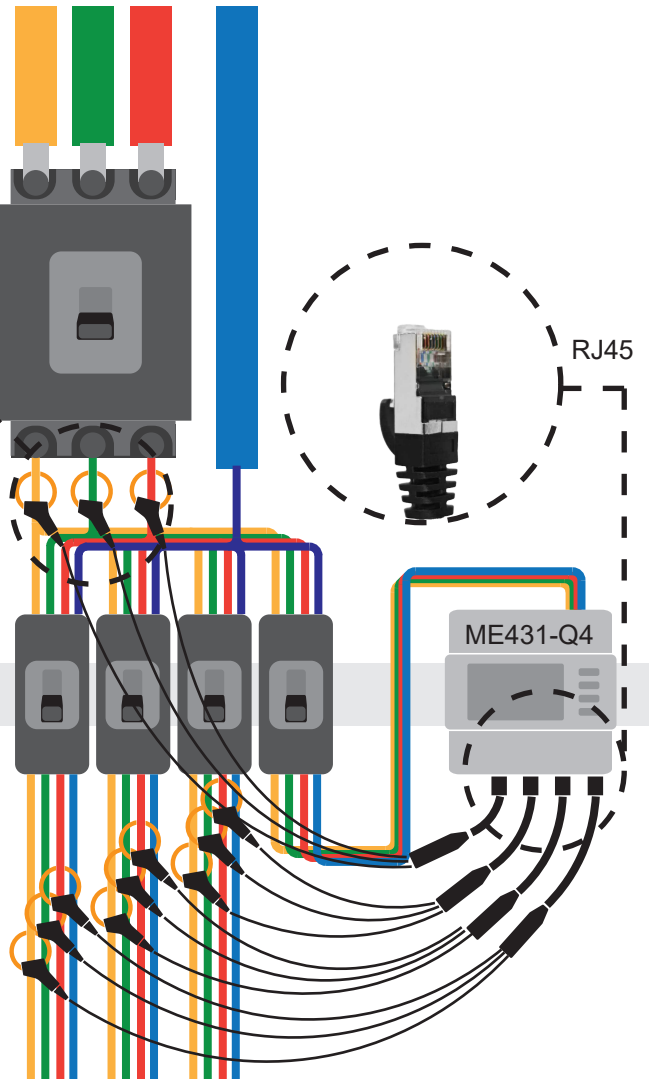
N in 1 Rogowski Coil Kit

The signal is output through a single RJ45 port, significantly simplifying wiring.

Customizable with 1 to 4 Rogowski coil current transformers, supporting various power grid

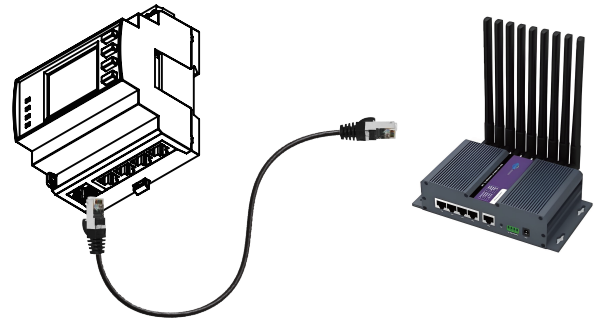
systems. The Roc431-Q4 can simultaneously

monitor up to four three-phase four-wire (3P4W) circuits.



## Built-in WEB server

The Roc431 has a built-in web server. After connecting the electricity meter to a router via the ETH interface, users can access the web service within the local area network through the assigned IP address, without requiring internet access or downloading any programs.

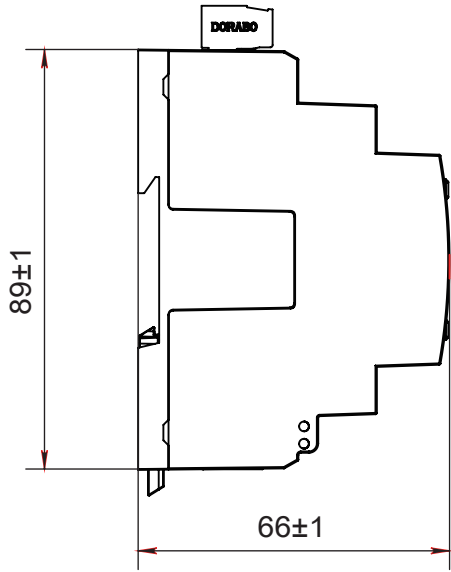
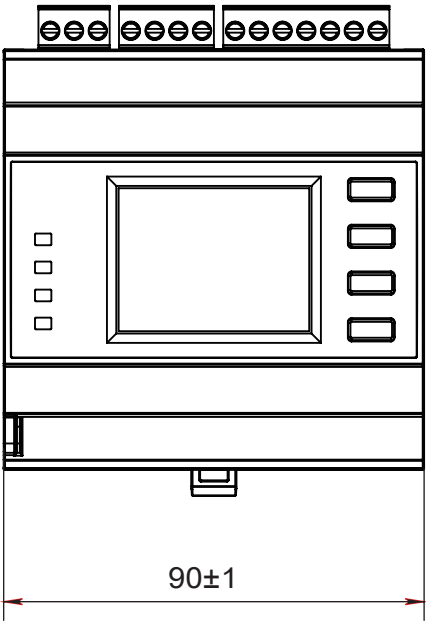


## Function

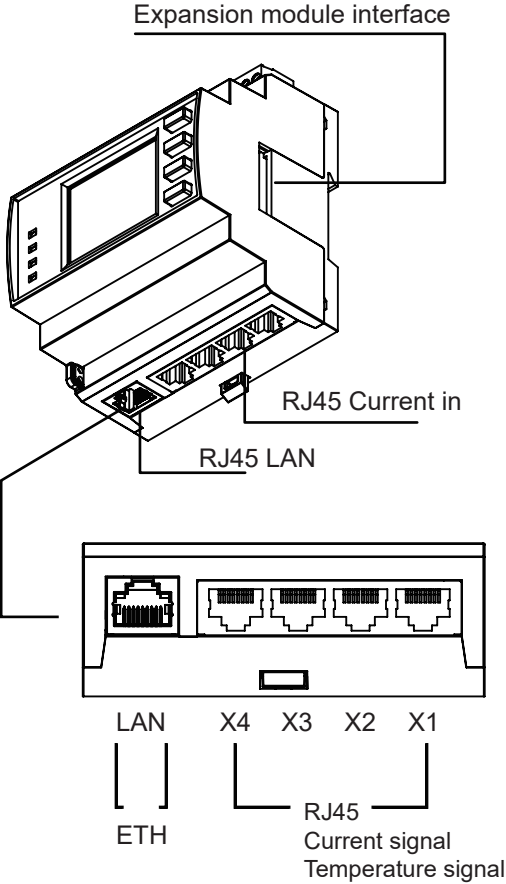
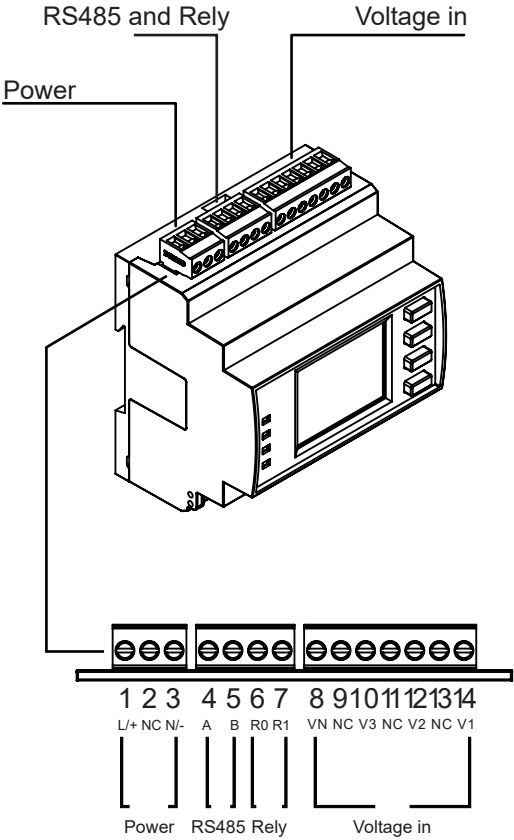
- Real-time data viewing
- Historical data download
- Meter parameter configuration



# Dimensions



# Interface Definition



## ■ Roc431 associated modules

