



Single-phase energy meter up to 80 A

- MID certificated
- Measures all power parameters
- ModBUS-RTU protocol
- Display LCD

KET-PMM-301

Applications

Monitoring consumption

Versus

KET-PMM-321.00A

The **KET-PMM-301** is a **single-phase energy meter** with LCD display and integrated keypad.

It is particularly suitable for active energy metering and cost allocation in applications up to **80 A** (direct insertion).

Integrates measurement of all power parameters (such as current, voltage, active power, reactive power, apparent power, frequency, power factor, etc.).

It has the **ModBUS-RTU** protocol with RS485 interface to meet communication network management requirements.

Technical Features

General specifications

Protection Range: IP20
Operative Temperature: -25 ÷ +55 °C
Storage Temperature: -40 ÷ +70 °C
Relative Humidity: MAX 95% not condensing

Case

Dimensions: 36 x 90 x 65 mm (W x H x D)
Mounting: DIN-rail
Required DIN modules: 2 DIN modules
Electric Board Type: Industrial or switchboard

Power supply

Supply Voltage: Self power, 230 VAC (50 Hz)
Consumption: Self-consumption <10 VA
Connectors types: Integrated screw terminals

Power meter

Insertion Types: 1-phase 2-wire
Connection: Direct measurement
Maximum Rated Current: 10(80)A
Minimum Current: I_{min} = 0.5 A
Accuracy: 1 Class
Connections: Screw connectors <1.8 Nm
Configuration: By keyboard

Rs485 interface

Supported Protocols: ModBUS RTU
Communication Rate: 38400, 19200, 9600, 4800 bps
Isolation: Class II
Connectors types: Integrated screw terminals

Current and voltage input

Voltage Inputs: 75 ÷ 260 VAC
Current Inputs: 80 A

Certifications

Referends Standard: EN50470, IEC61000, EN55022, IEC60068, IEC60529, IEC60695-2-11
Approvals: CE, MID

