



Single-phase energy meter up to 80 A

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

KET-PM-301

Applications

Monitoring consumption

Versus

KET-PM-321.00A

The **KET-PM-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

