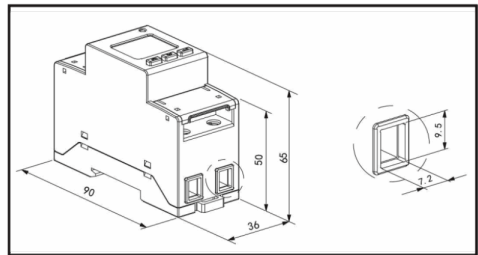




# KET-PM-301

Applications

Monitoring consumption



## Single-phase energy meter up to 80 A

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

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	<b>Protection Range:</b> IP20 <b>Operative Temperature:</b> -25 ÷ +55 °C <b>Storage Temperature:</b> -40 ÷ +70 °C <b>Relative Humidity:</b> MAX 95% not condensing
Case	<b>Dimensions:</b> 36 x 90 x 65 mm (W x H x D) <b>Mounting:</b> DIN-rail <b>Required DIN modules:</b> 2 DIN modules <b>Electric Board Type:</b> Industrial or switchboard <b>Material:</b>
Power supply	<b>Supply Voltage:</b> Self power, 230 VAC (50 Hz) <b>Consumption:</b> Self-consumption <10 VA <b>Connectors types:</b> Integrated screw terminals
Power meter	<b>Insertion Types:</b> 1-phase 2-wire <b>Connection:</b> Direct measurement <b>Start-up Current:</b> <b>Maximum Rated Current:</b> 10(80)A <b>Minimum Current:</b> Imin = 0.5 A <b>Accuracy:</b> 1 Class <b>Connections:</b> Screw connectors <1.8 Nm <b>ESD Protection:</b> <b>Configuration:</b> By keyboard
Rs485 interface	<b>Channels:</b> <b>Supported Protocols:</b> ModBUS RTU <b>Communication Rate:</b> 38400, 19200, 9600, 4800 bps <b>Isolation:</b> Class II <b>Connectors types:</b> Integrated screw terminals
Current and voltage input	<b>Voltage Inputs:</b> 75 ÷ 260 VAC <b>Current Inputs:</b> 80 A
Certifications	<b>Referends Standard:</b> EN50470, IEC61000, EN55022, IEC60068, IEC60529, IEC60695-2-11 <b>Approvals:</b> CE, MID <b>Security:</b> <b>Metrology:</b>