



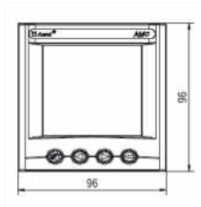
## Panel-mounted, three-phase power meter for current transformers

- Visualization of active and reactive energy
- RS485 ModBUS-RTU protocol
- 4DI+2DI+Pulse output
- Panel-mounting 96x96 mm

# KET-PMT-247

### Applications

Monitoring consumption



**KET-PMT-247** is a panel-mounted energy meter for **measuring energy** and main **electrical parameters** in industrial and civil environments, with built-in RS485 ModBUS RTU communication.

It has 4 dry contact digital inputs, 2 relay outputs and 1 pulse output.

Interface with high-brightness **LED/LCD display**, parameter setting and push-button control, ideal for real-time energy monitoring systems. It can directly replace traditional power transmitters and measuring instruments.

The KET-PMT-247 can be used in all kinds of control systems, **SCADA systems** and energy management systems.

### Technical Features

|                        |  |
|------------------------|--|
| General specifications | <b>Protection Range:</b> IP20<br><b>Operative Temperature:</b> -25 ÷ +65 °C<br><b>Storage Temperature:</b> -40 ÷ +80 °C<br><b>Relative Humidity:</b> MAX 93% not condensing  |
| Case                   | <b>Dimensions:</b> 90 x 90 x 77.8 mm (W x H x D); faceplate 96 x 96 mm; cutout 92 x 92 mm<br><b>Mounting:</b> Panel<br><b>Electric Board Type:</b> Industrial or switchboard   |
| Power supply           | <b>Supply Voltage:</b> 85 ÷ 265 VAC or 24 VDC (±20%) or 48 VDC (±20%)<br><b>Consumption:</b> =<10 VA<br><b>Connectors types:</b> Removable screw terminals   |
| Power meter            | <b>Insertion Types:</b> Three phase, three or four wires<br><b>Connection:</b> CT<br><b>Current Inputs:</b> 5 A @ 45 ÷ 65 Hz<br><b>Voltage Inputs:</b> 3x57.7/100 VAC (100 V), 3x220/380 VAC (400 V), 3x380/660 VAC (660 V)<br><b>Maximum Rated Current:</b> Overload: 1.2 times the rated current (continuous); 10 times the rated current lasting for 1 second<br><b>Accuracy:</b> Frequency: 0.05Hz   Current, Voltage: 0.2 class   Reactive power: 1.0 class   Reactive Electric energy: 1.0 class   Active power: 0.5 class   Active electric energy: 0.5 class<br><b>Connections:</b> Removable screw terminals<br><b>ESD Protection:</b> Between Power supply / Switching Output / Current Input / Voltage Input and Transmitting / Communication / Pulse Output / switching input AC 2 kV 1min; Between Power supply, switching output, Current Input, voltage Input AC 2 kV 1min; Between Transmitting, Communication, Pulse Output, switching input AC 1kV 1 min.<br><b>Configuration:</b> By keyboard |
| Rs485 interface        | <b>Supported Protocols:</b> ModBUS RTU<br><b>Communication Rate:</b> 38400, 19200, 9600, 4800 bps<br><b>Isolation:</b> >100MO<br><b>Connectors types:</b> Removable screw terminals  |
| Digital inputs         | <b>Channels:</b> 4 for drycontact  |
| Digital outputs        | <b>Channels:</b> 2 relay normally open contact outputs (230 VAC/3 A - 30 VDC/3 A); Pulse output: 10000imp/kWh (settable)   |
| Certifications         | <b>Referends Standard:</b> EN 62368-1-2014+A11:2017; EN61000-3-12:2011, EN 61000-3-3:2013; EN61000-6-1:2007; EN61000-6-3:2007/A1:2011/AC:2012<br><b>Approvals:</b> CE  |