



APPLICATIONS

monitoring consumption



MAGGIORI CONTENUTI ONLINE

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 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	Protection Range: IP20 Operative Temperature: -25 ÷ +65 °C Storage Temperature: -40 ÷ +80 °C Relative Humidity: MAX 93% not condensing
CASE	Dimensions: 90 x 90 x 77.8 mm (W x H x D); faceplate 96 x 96 mm; cutout 92 x 92 mm Mounting: Panel Required DIN modules: Electric Board Type: Industrial or switchboard Material:
POWER SUPPLY	Supply Voltage: 85 ÷ 265 VAC or 24 VDC (±20%) or 48 VDC (±20%) Consumption: ≤10 VA Connectors types: Removable screw terminals
POWER METER	Insertion Types: Three phase, three or four wires Connection: CT Current Inputs: 5 A @ 45 ÷ 65 Hz Voltage Inputs: 3x57.7/100 VAC (100 V), 3x220/380 VAC (400 V), 3x380/660 VAC (660 V) Start-up Current: Maximum Rated Current: Overload: 1.2 times the rated current (continuous); 10 times the rated current lasting for 1 second Minimum Current: Accuracy: 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 Connections: Removable screw terminals ESD Protection: 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. Configuration: By keyboard
RS485 INTERFACE	Channels: Supported Protocols: ModBUS RTU Communication Rate: 38400, 19200, 9600, 4800 bps Isolation: >100MO Connectors types: Removable screw terminals
DIGITAL INPUTS	Channels: 4 for drycontact Digital Inputs:
DIGITAL OUTPUTS	Channels: 2 relay normally open contact outputs (230 VAC/3 A - 30 VDC/3 A); Pulse output: 10000imp/kWh (settable) Voltage Output:
CERTIFICATIONS	Referends Standard: 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 Approvals: CE Security: Metrology:

