



Multi-channel Power Meter comprising 4 groups of 3 CTs of 100 A



- Visualization of active and reactive energy
- Large display
- RS485 ModBUS-RTU interface
- DIN rail mounting

**KET-PMT-414.16** is a multi-channel energy meter that includes four triads of 16 mm current transformers for 100 A loads. Suitable for measuring the energy and **main electrical parameters** of multiple three-phase circuits, particularly in industrial or civil switchboards with limited space, with integrated **RS485 ModBUS RTU** communication. The KET-PMT-414.16 can be used in all types of control systems, SCADA systems and energy management systems, also thanks to its two digital inputs/two outputs and pulse output.

APPLICATIONS
monitoring consumption
VERSIONS
KET-PMT-218



MAGGIORI CONTENUTI ONLINE

TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	<b>Protection Range:</b> IP50 <b>Operative Temperature:</b> -20 ÷ +60 °C <b>Storage Temperature:</b> -40 ÷ +70 °C <b>Relative Humidity:</b> MAX 95% not condensing
CASE	<b>Dimensions:</b> 72 x 87.8 x 71.5 mm (W x H x D) <b>Mounting:</b> DIN rail <b>Required DIN modules:</b> 4 DIN modules <b>Electric Board Type:</b> Industrial or switchboard <b>Material:</b>
TA PHYSICAL SPECIFICATIONS	<b>Dimensions:</b> 31 x 50 x 36 mm (W x H x D) <b>Connections:</b> RJ45 <b>Mounting:</b> 1.5 m cable <b>Cable Diameter:</b> Max 16 mm <b>Bar Size:</b> <b>Material:</b> <b>Weight:</b> 0,18 Kg
POWER SUPPLY	<b>Supply Voltage:</b> Auxiliary power supply: 85 ÷ 265 VAC/DC <b>Consumption:</b> <=10 VA <b>Connectors types:</b> Integrated screw terminals
POWER METER	<b>Insertion Types:</b> Three phase, three or four wires <b>Connection:</b> TA <b>Start-up Current:</b> <b>Maximum Rated Current:</b> 100 A <b>Minimum Current:</b> <b>Accuracy:</b> <b>Connections:</b> RJ45 <b>ESD Protection:</b> <b>Configuration:</b> By keyboard
RS485 INTERFACE	<b>Channels:</b> 1 <b>Supported Protocols:</b> ModBUS RTU <b>Communication Rate:</b> 1200÷19200 bps <b>Isolation:</b> <b>Connectors types:</b> Integrated screw terminals
DIGITAL INPUTS	<b>Channels:</b> 2 for dry contact <b>Digital Inputs:</b>
CURRENT AND VOLTAGE INPUT	<b>Voltage Inputs:</b> 3x220/380 VAC <b>Current Inputs:</b> 100 A @ 45 ÷ 65 Hz
DIGITAL OUTPUTS	<b>Channels:</b> 2 in normally open relay mode with a maximum switching voltage of 250 VAC/3 A, 30 VDC/3 A + 1 pulse output <b>Voltage Output:</b>
CERTIFICATIONS	<b>Referends Standard:</b> EN 61326-1:2013; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; (IEC 61000-4-2; -4-3;-4-4;-4-5;-4-6;-4-8;-4-11) <b>Approvals:</b> CE <b>Security:</b> <b>Metrology:</b>

