

# KET-PMT-218

## Three phase network analyzer with Display - MID certified

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

KET-PMT-218 is an energy meter self-power supply for **measuring energy** and the main **electrical parameters** in **industrial** and **civil** environment, with integrated RS485 ModBUS RTU communication. **Certified** according to **MID** directive, it can be used for fiscal measurement. KET-PMT-218 can be used in all types of control systems, SCADA systems and energy management GIS. It meets the technical requirements for **IEC62053-21** standards. With convenient DIN rail mounting, it is suitable for both industrial and civilian type switchboards.



| APPLICATIONS           |
|------------------------|
| monitoring consumption |
| VERSIONS               |
| KET-PMT-414.16         |
| KET-PMT-228            |



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| TECHNICAL FEATURES        |                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL SPECIFICATIONS    | <b>Protection Range:</b> IP51<br><b>Operative Temperature:</b> -25 ÷ +55 °C<br><b>Storage Temperature:</b> -30 ÷ +70 °C<br><b>Relative Humidity:</b> MAX 95% not condensing                                                                                                                                                                                            |
| CASE                      | <b>Dimensions:</b> 90 x 72 x 65 mm (W x H x D)<br><b>Mounting:</b> DIN rail<br><b>Required DIN modules:</b> 4 DIN modules<br><b>Electric Board Type:</b> Industrial or switchboard<br><b>Material:</b>                                                                                                                                                                 |
| POWER SUPPLY              | <b>Supply Voltage:</b> Self power: 230 ÷ 400 VAC (45-65 Hz)<br><b>Consumption:</b> < 10 VA (single phase)<br><b>Connectors types:</b> Integrated screw terminals                                                                                                                                                                                                       |
| POWER METER               | <b>Insertion Types:</b> Three phase, three or four wires<br><b>Connection:</b> Current Transformer with secondary max 5 A<br><b>Start-up Current:</b><br><b>Maximum Rated Current:</b> 1(6)A<br><b>Minimum Current:</b> Imin = 0.01 A<br><b>Accuracy:</b> ±0.2%<br><b>Connections:</b> Screw connectors<br><b>ESD Protection:</b><br><b>Configuration:</b> By keyboard |
| RS485 INTERFACE           | <b>Channels:</b><br><b>Supported Protocols:</b> ModBUS RTU<br><b>Communication Rate:</b> 1200÷19200 bps<br><b>Isolation:</b> Class II<br><b>Connectors types:</b> Integrated screw terminals                                                                                                                                                                           |
| CURRENT AND VOLTAGE INPUT | <b>Voltage Inputs:</b> 3×380 VAC (3 wires) - 3×230/400 VAC (4 wires)<br><b>Current Inputs:</b> 3×1(6)A                                                                                                                                                                                                                                                                 |
| DIGITAL OUTPUTS           | <b>Channels:</b> 1 pulse output<br><b>Voltage Output:</b>                                                                                                                                                                                                                                                                                                              |
| CERTIFICATIONS            | <b>Referends Standard:</b><br><b>Approvals:</b> CE, MID<br><b>Security:</b><br><b>Metrology:</b> EN62053-21                                                                                                                                                                                                                                                            |

