### Discontinued

METSEPM1200
PM1200 power meter with energy and demand - with communication

Has not been replaced. Please contact your customer care center for more information.

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## Main

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>PowerLogic PM1000</td>
</tr>
<tr>
<td>Device short name</td>
<td>PM1200</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Power meter</td>
</tr>
</tbody>
</table>

## Complementary

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power quality analysis</td>
<td>Up to the 9th harmonic</td>
</tr>
<tr>
<td>Type of measurement</td>
<td>Current, Voltage, Frequency, Active and reactive power, Active and reactive energy, Power factor</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>44...277 V AC 50/60 Hz, 44...277 V DC</td>
</tr>
<tr>
<td>Network frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Maximum power consumption in VA</td>
<td>3 VA at 240 V AC</td>
</tr>
<tr>
<td>Display type</td>
<td>LED</td>
</tr>
<tr>
<td>Display resolution</td>
<td>3 lines with 4 digits</td>
</tr>
<tr>
<td>Sampling rate</td>
<td>20 samples/cycle</td>
</tr>
<tr>
<td>Measurement current</td>
<td>50…6000 mA</td>
</tr>
<tr>
<td>Input type</td>
<td>Current 0…5 A (impedance &lt;= 0.1 Ohm), Current 0…1 A (impedance &lt;= 0.1 Ohm)</td>
</tr>
<tr>
<td>Measurement voltage</td>
<td>80…480 V AC 50/60 Hz phase to phase, 0…999000 V AC 50/60 Hz with external VT</td>
</tr>
<tr>
<td>Measurement accuracy</td>
<td>Power 1 %, Voltage 1 %, Energy 1 %, Frequency 0.1 %, Power factor 1 %, Apparent power 1 %</td>
</tr>
<tr>
<td>Accuracy class</td>
<td>Class 2 reactive energy conforming to IEC 62053-23</td>
</tr>
</tbody>
</table>

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Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
Class 1 active energy conforming to IEC 62053-21

Communication port protocol
Modbus 19.2 kbauds

Communication port support
RS485

Environment

Electromagnetic compatibility
- Immunity to impulse waves: , conforming to IEC 61000-4-12
- Electrostatic discharge immunity test: , conforming to IEC 61000-4-2
- Susceptibility to electromagnetic fields: , conforming to IEC 61000-4-3
- Electrical fast transient/burst immunity test: , conforming to IEC 61000-4-4
- Conducted RF disturbances: , conforming to IEC 61000-4-6
- 1.2/50 µs shock waves immunity test: , conforming to IEC 61000-4-5
- Immunity to microbreaks and voltage drops: , conforming to IEC 61000-4-11
- Conducted and radiated emissions: , class A, conforming to CISPR 11

Mounting mode
Flush-mounted

Mounting support
Panel

Type of installation
Indoor installation

Overvoltage category
III

IP degree of protection
- IP51 front face: conforming to IEC 60529
- IP40 back: conforming to IEC 60529

Relative humidity
5…95 %

Ambient air temperature for operation
-10…60 °C

Ambient air temperature for storage
-25…70 °C

Operating altitude
0…2000 m

Standards
IEC 62053-21
IEC 62053-21

Width
96 mm

Depth
80 mm embedded:

Height
96 mm

Net weight
0.4 kg

Offer Sustainability

Sustainable offer status
Green Premium product

EU RoHS Directive
Compliant
EU RoHS Declaration

China RoHS Regulation
China RoHS declaration
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure
Product Environmental Profile

Circularity Profile
End of Life Information

WEEE
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty
18 months