## METSEPM5320

PM5320 Meter, ethernet, up to 31st H, 256K
2DI/2DO 35 alarms

### Main

<table>
<thead>
<tr>
<th>Range</th>
<th>PowerLogic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>PowerLogic PM5000</td>
</tr>
<tr>
<td>Device short name</td>
<td>PM5320</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Power meter</td>
</tr>
</tbody>
</table>

### Complementary

- **Power quality analysis**: up to the 31st harmonic
- **Device application**: Multi-tariff, Power monitoring
- **Type of measurement**
  - Current
  - Voltage
  - Frequency
  - Power factor
  - Energy
  - Active and reactive power
- **Supply voltage**
  - 100...415 V AC 45...65 Hz
  - 125...250 V DC
- **Network frequency**
  - 50 Hz
  - 60 Hz
- **[In] rated current**
  - 1 A
  - 5 A
- **Type of network**
  - 1P + N
  - 3P + N
  - 3P
- **Maximum power consumption in VA**
  - 10 VA at 415 V
- **Ride-through time**
  - 80 ms 120 V AC typical
  - 100 ms 230 V AC typical
  - 100 ms 415 V AC typical
- **Display type**
  - Backlit LCD
- **Display resolution**
  - 128 x 128 pixels
- **Sampling rate**
  - 64 samples/cycle

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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.
**Measurement current**: 10…9000 mA

**Analogue input type**
- Voltage (impedance 5 MOhm)
- Current (impedance 0.3 MOhm)

**Measurement voltage**
- 35…690 V AC 45…65 Hz between phases
- 20…400 V AC 45…65 Hz between phase and neutral

**Frequency measurement range**: 45…65 Hz

**Number of inputs**: 2 digital

**Measurement accuracy**
- Active energy +/- 0.5 %
- Reactive energy +/- 2 %
- Active power +/- 0.5 %
- Apparent power +/- 0.5 %
- Frequency +/- 0.05 %
- Power factor +/- 0.005 %
- Current +/- 0.5 %
- Voltage +/- 0.5 %

**Accuracy class**: Class 0.5S active energy conforming to IEC 62053-22

**Number of outputs**: 2 digital

**Communication port protocol**: Modbus TCP/IP at 10/100 Mbit/s, insulation 2500 V

**Communication port support**: Ethernet

**Data recording**
- Maintenance logs
- Alarm logs
- Min/max of instantaneous values
- Event logs
- Time stamping
- Data logs

**Memory capacity**: 256 kB

**Connections - terminals**
- Voltage circuit: screw terminal block4
- Control circuit: screw terminal block2
- Current transformer: screw terminal block6
- Input/output circuit: screw terminal block6
- Relay output: screw terminal block4
- Ethernet network: RJ45 connector

**Mounting mode**: Flush-mounted

**Mounting support**: Framework

**Standards**
- IEC 62053-22
- EN 50470-1
- IEC 60529
- IEC 61557-12
- UL 61010-1
- EN 50470-3
- IEC 62053-24

**Product certifications**
- CE conforming to IEC 61010-1
- CULus conforming to UL 61010-1

**Width**: 96 mm

**Depth**: 72 mm

**Height**: 96 mm

**Net weight**: 430 g

**Environment**

**Electromagnetic compatibility**
- Limits for harmonic current emissions class A conforming to IEC 61000-3-2
- Electrostatic discharge level 4 conforming to IEC 61000-4-2
- Conducted RF disturbances level 3 conforming to IEC 61000-4-6
- Magnetic field at power frequency level 4 conforming to IEC 61000-4-8
- Conducted and radiated emissions class B conforming to EN 55022

**IP degree of protection**: IP52 front: conforming to IEC 60529
- IP30 body: conforming to IEC 60529

**Relative humidity**: 5…95 % at 50 °C

**Pollution degree**: 2

**Ambient air temperature for operation**: -25…70 °C

**Ambient air temperature for storage**: -40…85 °C

**Operating altitude**: 2000 m
<table>
<thead>
<tr>
<th>Offer Sustainability</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable offer status</td>
<td>Green Premium product</td>
</tr>
<tr>
<td>REACh free of SVHC</td>
<td>Yes</td>
</tr>
<tr>
<td>EU RoHS Directive</td>
<td>Compliant</td>
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<tr>
<td>EU RoHS Declaration</td>
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<tr>
<td>Mercury free</td>
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<tr>
<td>RoHS exemption information</td>
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<tr>
<td>China RoHS Regulation</td>
<td>China RoHS declaration</td>
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<tr>
<td>Environmental Disclosure</td>
<td>Product Environmental Profile</td>
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<tr>
<td>Circularity Profile</td>
<td>End of Life Information</td>
</tr>
<tr>
<td>WEEE</td>
<td>The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins</td>
</tr>
</tbody>
</table>