



Main

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| Range | PowerLogic |
| Product name | PowerLogic PM5000 |
| Device short name | PM5110 |
| Product or component type | Power meter |

Complementary

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| Power quality analysis | Up to the 15th harmonic |
| Device application | Power monitoring |
| Type of measurement | Active and reactive power Energy Power factor Frequency Voltage Current |
| Supply voltage | 125...250 V DC 100...415 V AC (45...65 Hz) |
| Network frequency | 50 Hz 60 Hz |
| [In] rated current | 1 A 5 A |
| Type of network | 1P + N 3P 3P + N |
| Power consumption in VA | 10 VA at 415 V |
| Display type | Backlit LCD |
| Display resolution | 128 x 128 pixels |
| Sampling rate | 64 samples/cycle |
| Measurement current | 10 mA...9 A |
| Analogue input type | Voltage (impedance 5 MOhm) Current (impedance 0.3 mOhm) |
| Measurement voltage | 20...400 V AC 45...65 Hz between phase and neutral 35...690 V AC 45...65 Hz between phases |
| Frequency measurement range | 45...65 Hz |
| Number of inputs | 0 |
| Measurement accuracy | +/- 0.5 % voltage +/- 0.5 % current +/- 0.005 % power factor +/- 0.05 % frequency +/- 0.5 % apparent power +/- 0.5 % active power +/- 2 % reactive energy +/- 0.5 % active energy |
| Accuracy class | Class 0.5S (active energy according to IEC 62053-22) |
| Number of outputs | 1 digital |
| Communication port protocol | JBUS Modbus RTU and ASCII 2 wires, : 9.6, 19.2 and 38.4 kbauds, even/odd or none, insulation: 2500 V |

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| Communication port support | RS485 |
| Data recording | Min/Max of instantaneous values Time stamping |
| Mounting mode | Flush-mounted |
| Mounting support | Framework |
| Standards | IEC 60529 IEC 61557-12 IEC 62053-22 EN 50470-1 EN 50470-3 UL 61010-1 IEC 62053-24 |
| Product certifications | CULus conforming to UL 61010-1 CE conforming to IEC 61010-1 |
| Width | 96 mm |
| Depth | 72 mm |
| Height | 96 mm |
| Product weight | 380 g |

Environment

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| Electromagnetic compatibility | <ul style="list-style-type: none"> • conducted and radiated emissions class class B, conforming to EN 55022 • magnetic field at power frequency class level 4, conforming to IEC 61000-4-8 • conducted RF disturbances class level 3, conforming to IEC 61000-4-6 • electrostatic discharge class level 4, conforming to IEC 61000-4-2 • limits for harmonic current emissions class class A, conforming to IEC 61000-3-2 |
| IP degree of protection | IP30 (body) conforming to IEC 60529 IP52 (front) conforming to IEC 60529 |
| Relative humidity | 5...95 % 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 |

Offer Sustainability

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| Sustainable offer status | Not Green Premium product |
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