



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 | 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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| 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 | 0 |
| 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 | 1 digital |
| Communication port protocol | Modbus RTU and ASCII at 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires, insulation 2500 V JBUS |
| Communication port support | RS485 |
| Data recording | Time stamping Min/max of instantaneous values |
| Connections - terminals | Voltage circuit: screw terminal block4 Control circuit: screw terminal block2 Current transformer: screw terminal block6 Input/output circuit: screw terminal block6 RS485 link: screw terminal block4 |
| Mounting mode | Flush-mounted |
| Mounting support | Framework |
| Standards | UL 61010-1 EN 50470-3 EN 50470-1 IEC 62053-22 IEC 60529 IEC 62053-24 IEC 61557-12 |
| 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 | 380 g |

Environment

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| 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 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

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| Package 1 Weight | 550 g |
| Package 1 Height | 11 cm |
| Package 1 width | 12.6 cm |
| Package 1 Length | 12.6 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 12 |
| Package 2 Weight | 6.456 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 96 |
| Package 3 Weight | 61.82 kg |
| Package 3 Height | 50 cm |
| Package 3 width | 80 cm |
| Package 3 Length | 60 cm |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| 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 |