



ⓘ Discontinued

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

Main

| | |
|---------------------------|-------------------|
| Range of product | PowerLogic PM1000 |
| Device short name | PM1000 |
| Product or component type | Power meter |

Complementary

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

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

Environment

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|---------------------------------------|--|
| 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 62052-11 |
| Width | 96 mm |
| Depth | 80 mm embedded: |
| Height | 96 mm |
| Net weight | 0.4 kg |

Offer Sustainability

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|--------------------------|--|
| Sustainable offer status | Green Premium product |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Contractual warranty

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| Warranty | 18 months |
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