



Main

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| Range of product | PowerLogic PM800 |
| Device short name | PM810 |
| Product or component type | Power meter |

Complementary

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| Power quality analysis | Up to the 31st harmonic |
| Type of measurement | Energy Power factor (total) Power factor (per phase) Apparent power (total) Apparent power (per phase) Active power (total) Active power (per phase) Reactive power (total) Reactive power (per phase) Voltage Current Frequency |
| [Us] rated supply voltage | 125...250 V DC 115...415 V AC (45...67 Hz) 115...415 V AC (350...450 Hz) |
| Network frequency | 350...450 Hz 45...67 Hz |
| Power consumption in VA | 15 VA |
| Display type | Backlit LCD |
| Display resolution | 6 lines |
| Sampling rate | 128 samples/cycle |
| Measurement current | 5 A 1 A |
| Analogue input type | Current 0.005...10 A (impedance <= 0.1 Ohm) |
| Measurement voltage | 0...600 V AC phase to phase 0...347 V AC phase to neutral |
| Number of inputs | 1 digital 0...5 mA 24...125 V AC/DC |

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| Measurement accuracy | ± 0.2 % energy ± 0.01 Hz frequency ± 0.002 power factor ± 0.2 % power ± 0.5 % current (0.5...10 A) ± 0.2 % voltage (10...227 V) |
| Accuracy class | Class 0.5S (active energy according to IEC 62053-22) Class 2 (reactive energy according to IEC 62053-23) Class 0.2 (active energy according to ANSI C12.20) |
| Number of outputs | 1 digital (static) |
| Communication port protocol | Modbus: 38.4 kbauds, |
| Communication port support | RS485 |
| Data recording | GPS synchronisation Min/Max of instantaneous values Alarms Without memory Time stamping |

Environment

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| Electromagnetic compatibility | Immunity to impulse waves, conforming to IEC 61000-4-12 Limits for harmonic current emissions, conforming to IEC 61000-3-2 Conducted and radiated emissions, conforming to EN 55011 class B Susceptibility to electromagnetic fields class class III, conforming to IEC 61000-4-3 Conducted RF disturbances class class III, conforming to IEC 61000-4-6 Electrostatic discharge immunity test class class III, conforming to IEC 61000-4-2 Electrical fast transient/burst immunity test class class III, conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test class class III, conforming to IEC 61000-4-5 Immunity to impulse waves class class III, conforming to IEC 61000-4-8 Immunity to microbreaks and voltage drops class class III, conforming to IEC 61000-4-11 Limitation of voltage changes, voltage fluctuations and flicker in low-voltage, conforming to IEC 61000-3-3 |
| Mounting mode | Flush-mounted |
| Mounting support | Panel |
| Type of installation | Indoor installation |
| Overvoltage category | III |
| IP degree of protection | IP30 (back) conforming to IEC 60529 IP52 (front face) conforming to IEC 60529 |
| Relative humidity | 90 % 40 °C |
| Pollution degree | 2 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | 0...3000 m |
| Standards | IEC 61010-1 UL 508 CSA C22.2 No 14 |
| Product certifications | CE cULus |
| Width | 96 mm |
| Depth | 70 mm (meter) |
| Height | 96 mm |
| Product weight | 0.6 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1002 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available End of life manual |

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| Product end of life instructions | Available |
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Contractual warranty

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| Warranty period | 18 months |
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