

Product datasheet

Specifications



PM200 power meter unit with backlite green LCD display

PM200MG

❗ Discontinued on: Sep 9, 2020

❗ End-of-service on: Dec 31, 2016

❗ Discontinued

Main

Range of product	PowerLogic PM200
Device short name	PM200
Product or component type	Power meter

Complementary

Power quality analysis	Up to the 15th harmonic
Type of measurement	Frequency Power factor total Apparent power total Active power total Reactive power total Current per phase Voltage per phase Energy total
Supply voltage	125...250 V DC 100...415 V AC 50/60 Hz
Network frequency	50/60 Hz
Maximum power consumption in VA	5 VA
Display type	Backlit LCD
Display resolution	6 lines
Sampling rate	32 samples/cycle
Measurement current	1 A 5 A
Input type	Current 0.01...6 A (impedance <= 0.12 Ohm)
Measurement voltage	10...480 V AC 45...65 Hz phase to phase 10...277 V AC 45...65 Hz phase to neutral
Measurement accuracy	Power 1 % Current 0.5 % 1...6 A Voltage 0.5 % 50...227 V Frequency 0.02 Hz 45...65 Hz
Accuracy class	Class 1 active energy conforming to IEC 62053-21

Environment

Electromagnetic compatibility	Limits for harmonic current emissions: , conforming to IEC 61000-3-2 Conducted and radiated emissions: , conforming to EN 55011 class A Electrostatic discharge immunity test: , class III, conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields: , class III, conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test: , class III, conforming to IEC 61000-4-4 1.2/50 μ s shock waves immunity test: , class III, conforming to IEC 61000-4-5 Conducted RF disturbances: , class III, conforming to IEC 61000-4-6 Immunity to impulse waves: , class III, conforming to IEC 61000-4-8 Immunity to microbreaks and voltage drops: , 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	95 % at 50 °C
Pollution degree	2
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	0...3000 m
Standards	IEC 61010-1 CSA C22.2 No 14 UL 508
Product certifications	CE cULus
Width	96 mm
Depth	69 mm
Height	96 mm
Net weight	0.34 kg

Contractual warranty

Warranty	18 months
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