



Main

Range	PowerLogic
Product name	PowerLogic PM3000
Device short name	PM3250
Product or Component Type	Power meter

Complementary

Power quality analysis	Up to the 15th harmonic
Device Application	Multi-tariff Power monitoring Sub billing
Type of measurement	Active and reactive power Apparent power Current Voltage Energy Power factor Frequency Total current harmonic distortion THD (I) Total voltage harmonic distortion THD (U)
Supply voltage	100...277 V AC 45...65 Hz 173...480 V AC 45...65 Hz 100...300 V DC
Network Frequency	60 Hz 50 Hz
Line Rated Current	5 A 1 A
Type of network	1P + N 3P 3P + N
Power Consumption in VA	5 VA
Display Type	Backlit LCD
Display Resolution	128 x 96 pixels
Sampling rate	32 samples/cycle
Measurement current	0.02...1.2 A 0.05...6 A
Analogue input type	Current 0...5 A Current 0...1 A
Measurement voltage	50...330 V AC 45...65 Hz direct 50...330 V AC 45...65 Hz phase to neutral 80...570 V AC 45...65 Hz direct 80...570 V AC 45...65 Hz phase to phase 570...999000 V AC 45...65 Hz with external VT
Frequency measurement range	45...65 Hz
Number of inputs	0
Measurement accuracy	Current 0.3 % 0.5...6 A Current 0.5 % 0.1...1.2 A Voltage 0.3 % 50...330 V Voltage 0.3 % 80...570 V

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Accuracy class	Class 0.5S active energy IEC 62053-22 Class 1 active energy IEC 62053-21 Class 2 reactive energy IEC 62053-23 Class C active energy EN 50470-3
Number of Outputs	0
Information displayed	Tariff 4)
Communication port protocol	Modbus 9.6...38.4 kbauds
Communication port support	RS485
Data recording	Time stamping Min/Max of instantaneous values 5 alarms
Mounting Mode	Clip-on
Mounting support	DIN rail
Standards	BS EN 61557-12 IEC 61557-12 EN 61557-12 BS EN 61326-1 IEC 61326-1 EN 61326-1 BS EN 62052-11 IEC 62052-11 EN 62052-11 BS EN 62053-21 IEC 62053-21 EN 62053-21 BS EN 62053-22 IEC 62053-22 EN 62052-22 BS EN 62053-23 IEC 62053-23 EN 62052-23 BS EN 61010-1 EN 61010-1 IEC 61010-1 UL 61010-1 BS EN 61010-2-30 IEC 61010-2-30 EN 61010-2-30 UL 61010-2-30 ANSI C12.20
Product certifications	CE IEC 61010-1 safety)[RETURN]CE EN 61557-12 power monitor)[RETURN]CE EN/IEC 61326-1 EMC)[RETURN]UKCA BS EN 61010-1 safety)[RETURN]UKCA BS EN 61557-12 power monitor)[RETURN]UKCA BS EN 61326-1 EMC)[RETURN]CULus EN 61010-1 safety)[RETURN]CULus UL 61010-1 safety)[RETURN]EAC sub-meter)[RETURN]RCM
Width	3.54 in (90 mm)
Depth	2.76 in (70 mm)
Height	3.74 in (95 mm)
Net Weight	0.57 lb(US) (0.26 kg)

Environment

Electromagnetic compatibility	Electrostatic discharge level 4 conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields level 3 conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4 Surge immunity test level 4 conforming to IEC 61000-4-5 Conducted RF disturbances level 3 conforming to IEC 61000-4-6 Magnetic field at power frequency - test level: 0.5 mT conforming to IEC 61000-4-8 Conducted and radiated emissions class B conforming to EN 55022
Overvoltage category	III
IP degree of protection	Front panel IP40 IEC 60529 Body IP20 IEC 60529
Relative humidity	5...95 % 122 °F (50 °C)
Pollution degree	2
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Operating altitude	< 9842.52 ft (3000 m)

Ordering and shipping details

Category	09786-SE ENTRY POWER METER
Discount Schedule	PL1
GTIN	3606480481604
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.70 in (9.4 cm)
Package 1 Width	5.40 in (13.72 cm)
Package 1 Length	5.70 in (14.48 cm)
Package 1 Weight	0.90 lb(US) (0.41 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	15.51 lb(US) (7.036 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	384
Package 3 Height	37.40 in (95 cm)
Package 3 Width	31.50 in (80 cm)
Package 3 Length	47.24 in (120 cm)
Package 3 Weight	392.12 lb(US) (177.864 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
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.

Contractual warranty

Warranty	18 months
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