

# Product datasheet

Specifications



## PM3200 power meter

TSI code: 397406977 METSEPM3200

### Main

Range	PowerLogic
Product name	PowerLogic PM3000
Device short name	PM3200
Product or component type	Power meter

### Complementary

Power quality analysis	up to the 15th harmonic
Device application	Multi-tariff Sub billing Power monitoring
Type of measurement	Active and reactive power Apparent power Current Voltage Energy Power factor Frequency
Supply voltage	100...277 V AC 45...65 Hz 173...480 V AC 45...65 Hz 100...300 V DC
Network frequency	50 Hz 60 Hz
[In] rated current	5 A 1 A
Type of network	3P + N 3P 1P + N
Power consumption in VA	5 VA
Display type	Backlit LCD
Display resolution	128 x 96 pixels
Sampling rate	32 samples/cycle
Measurement current	0.05...6 A 0.02...1.2 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

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

<b>Frequency measurement range</b>	45...65 Hz
<b>Number of inputs</b>	0
<b>Measurement accuracy</b>	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
<b>Accuracy class</b>	Class 0.5S active energy conforming to IEC 62053-22 Class 1 active energy conforming to IEC 62053-21 Class 2 reactive energy conforming to IEC 62053-23 Class C active energy conforming to EN 50470-3
<b>Number of outputs</b>	0
<b>Information displayed</b>	Tariff (4)
<b>Communication port protocol</b>	-
<b>Communication port support</b>	-
<b>Data recording</b>	Min/max of instantaneous values
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>Standards</b>	EN 61557-12 EN 61010-1 IEC 61557-12 EN 50470-3 UL 61010-1 EN 50470-1 IEC 62052-11
<b>Product certifications</b>	CE conforming to EN 61010-1 CULus conforming to UL 61010-1 UL
<b>Width</b>	90 mm
<b>Depth</b>	70 mm
<b>Height</b>	95 mm
<b>Net weight</b>	0.26 kg

## Environment

<b>Electromagnetic compatibility</b>	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 1.2/50 $\mu$ s shock waves 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
<b>Overvoltage category</b>	III
<b>IP degree of protection</b>	IP40 front panel: conforming to IEC 60529 IP20 body: conforming to IEC 60529
<b>Relative humidity</b>	5...95 % at 50 °C
<b>Pollution degree</b>	2
<b>Ambient air temperature for operation</b>	-25...55 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Operating altitude</b>	0...3000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	384 g
<b>Package 1 Height</b>	8.8 cm

Package 1 width	13.2 cm
Package 1 Length	13.7 cm
Unit Type of Package 2	P12
Number of Units in Package 2	128
Package 2 Weight	57.672 kg
Package 2 Height	15 cm
Package 2 width	80 cm
Package 2 Length	120 cm
Unit Type of Package 3	S03
Number of Units in Package 3	16
Package 3 Weight	6.567 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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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