



## Main

Range	PowerLogic
Product name	PowerLogic PM3000
Device short name	PM3255
Product or component type	Power meter
Market segment	<ul style="list-style-type: none"> <li>Sub feeder in buildings / large building for billing (Energy cost management)</li> <li>Sub feeder in buildings / small building for billing (Energy cost management)</li> <li>Sub feeder in buildings / medium building for billing (Energy cost management)</li> <li>Sub feeder in buildings / multi-site for billing (Energy cost management)</li> <li>Sub feeder in datacenter for billing (Energy cost management)</li> <li>Sub feeder in healthcare for billing (Energy cost management)</li> <li>Sub feeder in industry for billing (Energy cost management)</li> <li>Sub feeder in buildings / small building for cost allocation (Energy cost management)</li> <li>Sub feeder in buildings / medium building for cost allocation (Energy cost management)</li> <li>Sub feeder in buildings / large building for cost allocation (Energy cost management)</li> <li>Sub feeder in buildings / multi-site for cost allocation (Energy cost management)</li> <li>Sub feeder in datacenter for cost allocation (Energy cost management)</li> <li>Sub feeder in healthcare for cost allocation (Energy cost management)</li> <li>Sub feeder in industry for cost allocation (Energy cost management)</li> </ul>

## Complementary

Power quality analysis	Up to the 15th harmonic
Device application	<ul style="list-style-type: none"> <li>Sub billing</li> <li>Multi-tariff</li> <li>Power monitoring</li> </ul>
Type of measurement	<ul style="list-style-type: none"> <li>Energy</li> <li>Active and reactive power</li> <li>Total current harmonic distortion THD (I)</li> <li>Total voltage harmonic distortion THD (U)</li> <li>Voltage</li> <li>Current</li> <li>Frequency</li> <li>Power factor</li> <li>Apparent power</li> </ul>
[Us] rated supply voltage	<ul style="list-style-type: none"> <li>100...300 V DC</li> <li>100...277 V AC (45...65 Hz)</li> </ul>

METSEPM3255

	173...480 V AC (45...65 Hz)
Network frequency	50 Hz 60 Hz
[In] rated current	1 A 5 A
Poles description	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
Frequency measurement range	45...65 Hz
Number of inputs	2 digital 0...4 mA 11...40 V DC
Measurement accuracy	0.3 % current (0.5...6 A) 0.5 % current (0.1...1.2 A) 0.3 % voltage (50...330 V) 0.3 % voltage (80...570 V)
Accuracy class	Class 0.5S (active energy according to IEC 62053-22) Class 2 (reactive energy according to IEC 62053-23) Class 1 (active energy according to IEC 62053-21) Class C (active energy according to EN 50470-3)
Number of outputs	2 digital (static)
Information displayed	Tariff 4
Communication port protocol	Modbus : 9.6...38.4 kbauds,
Communication port support	RS485
Data recording	Min/Max of instantaneous values Time stamping Energy consumption logs 15 alarms Power logs
Memory capacity	512 kB
Mounting mode	Clip-on
Mounting support	DIN rail
Standards	IEC 62052-11 EN 50470-3 IEC 61557-12 EN 61557-12 EN 61010-1 EN 50470-1 UL 61010-1
Product certifications	CULus conforming to UL 61010-1 UL CE conforming to EN 61010-1
Width	90 mm
Depth	70 mm
Height	95 mm
Product weight	0.26 kg

## Environment

Electromagnetic compatibility	<ul style="list-style-type: none"> <li>conducted and radiated emissions class class B, conforming to EN 55022</li> <li>electrostatic discharge class level 4, conforming to IEC 61000-4-2</li> <li>conducted RF disturbances class level 3, conforming to IEC 61000-4-6</li> </ul>
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- electrical fast transient/burst immunity test class level 4, conforming to IEC 61000-4-4
- susceptibility to electromagnetic fields class level 3, conforming to IEC 61000-4-3
- 1.2/50 µs shock waves immunity test class level 4, conforming to IEC 61000-4-5
- magnetic field at power frequency (0.5 mT ), conforming to IEC 61000-4-8

Overvoltage category	III
IP degree of protection	IP20 (body) conforming to IEC 60529 IP40 (front panel) conforming to IEC 60529
Relative humidity	5...95 % 50 °C
Pollution degree	2
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	0...3000 m
Compatibility code	PM3255

### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1214 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">End of life manual</a>
Product end of life instructions	Available

### Contractual warranty

Warranty period	18 months
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### Usage / Application

Market segment	Residential Small commercial
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