



## Main

Range	PowerLogic
Product name	PowerLogic PM3000
Device short name	PM3255
Product or component type	Power meter

## Complementary

Power quality analysis	Up to the 15th harmonic
Device application	Power monitoring Sub billing Multi-tariff
Type of measurement	Voltage Current Frequency Power factor Apparent power Energy Active and reactive power Total current harmonic distortion THD (I) Total voltage harmonic distortion THD (U)
[Us] rated supply voltage	100...300 V DC 100...277 V AC (45...65 Hz) 173...480 V AC (45...65 Hz)
Network frequency	50 Hz 60 Hz
[In] rated current	1 A 5 A
Poles description	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	0.05...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 15 alarms Power logs Energy consumption logs
Memory capacity	512 kB
Mounting mode	Clip-on
Mounting support	DIN rail
Standards	EN 61010-1 IEC 61557-12 IEC 62052-11 EN 50470-1 EN 50470-3 EN 61557-12 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> <li>• electrical fast transient/burst immunity test class level 4, conforming to IEC 61000-4-4</li> <li>• susceptibility to electromagnetic fields class level 3, conforming to IEC 61000-4-3</li> <li>• 1.2/50 µs shock waves immunity test class level 4, conforming to IEC 61000-4-5</li> <li>• magnetic field at power frequency (0.5 mT ), conforming to IEC 61000-4-8</li> </ul>
overvoltage category	III
IP degree of protection	IP40 (front panel) conforming to IEC 60529 IP20 (body) 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

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1214 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available