

PM3000 series power meters

The essential monitor for understanding your electrical installation

The PowerLogic PM3000 series power meters are a cost-attractive, feature-rich metering offer, ideal for helping you better understand the true condition of your electrical installations.

The meters are an excellent choice for implementing simple network applications to improve reliability, such as tracking real-time power conditions, monitoring network and equipment status, load trending, and basic alarming and event logging. The PM3000 series meters can also help you improve your efficiency by telling you where and when energy is consumed and letting you allocate costs to the appropriate department, process, or shift. With the PM3000 series power meters located in your main switchboard panel or main feeder panels, you can gather the information necessary to optimize your operation.



PowerLogic PM3200

4

time periods for managing tariffs

100%

compatible with StruxureWare Power Monitoring software

+

PM3000 series meters feed information into any BMS or remote monitoring system

15

smart alarms available

Simple & smart

Order with ease, minimize stock

- > 4 references to cover most installation requirements
- > Each meter supports 1P, 2P, 3P, and 3P+N wiring connections

Integrate with ease, commission safely

- > Modbus RTU communication allows easy integration with power monitoring systems
- > Protected cages prevent contact to metallic part once cage is closed
- > LED indicators provide visual status (i.e., energized & communicating)
- > Separation of power (bottom) and communication (top) connections reduces risk of wrong wiring

Use with confidence

- > Large, backlit graphic display makes it easy to accurately read the descriptions of displayed values
- > Visual alerts on display (icons, blinking back light) help attract maintenance to potential issues
- > Intuitive keypad allows easy navigation for setup and display
- > Multi-language support via firmware download

Reliable & accurate

Accurate information

- > Accuracy class 0.5S (IEC 62053-21/22) for active energy metering
- > Compliance to regulations EN50470-3, IEC 61557-12, IEC 62053-21/22, IEC 62053-23

Data integrity

- > Anti-tamper sealing parts prohibit accessibility to all metering connections (voltage, current, DI/DO)
- > Internal memory for load profile (10 to 60 min)
- > Save last 32 days, last 20 weeks and last 13 months consumption data in separate registers
- > Longer historical record helps create an accurate load profile for easier benchmarking and trending

Robust design

- > Double fixation offers greater stability, allows installation vertically or in high-vibration environments
- > Well protected for normal use: IP40 on front face, IP20 inside cabinet

Efficient operation

Measurement parameters

- > Comprehensive electrical parameters (I, In, U, V, PQS, E, PF, Hz, THD) to help monitor network balance and overload behavior
- > Total and partial kWh to discover consumption behavior
- > Four-quadrant metering to differentiate energy
 - > Target green technologies (delivered/received)
 - > Help reduce utility penalties (active/reactive)
- > THD monitoring (current, voltage) for simple power quality analysis

Multiple tariffs

- > Save up to 4 different time slots to manage multiple tariffs (peak/off-peak, workday/weekend)
- > Control tariffs via digital inputs, internal clock or communication

Digital inputs

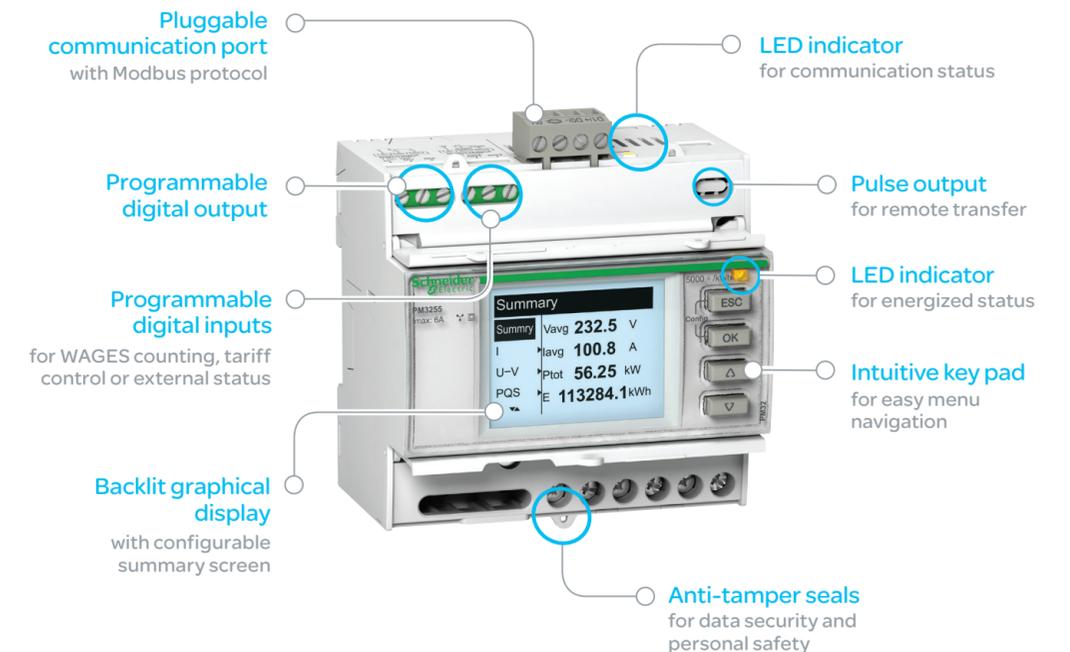
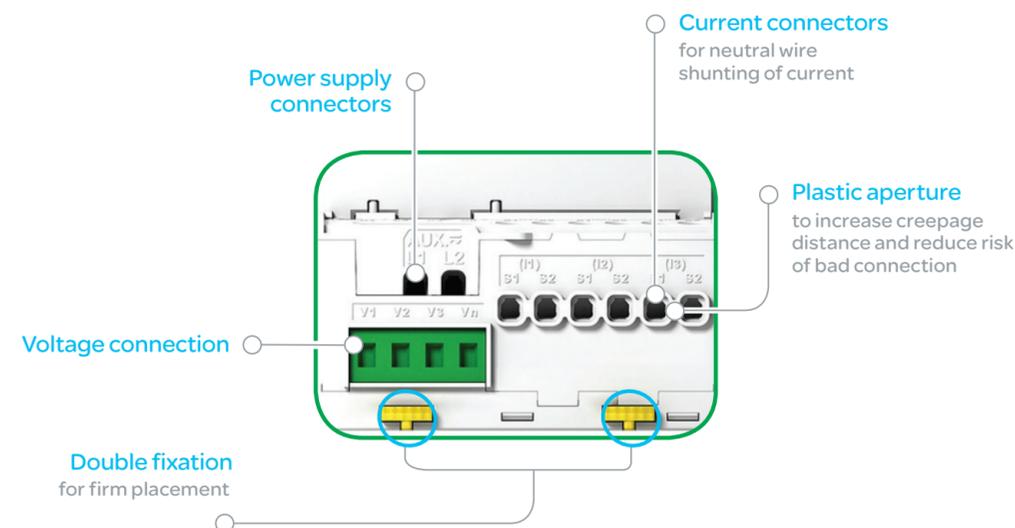
- > Manage double-source applications (e.g., utilities and fuel generator)
- > Monitor circuit breaker status or cabinet door opening; control up to 4 tariffs
- > Use the meter as a pulse counter for another meter (WAGES)

Digital outputs

- > For energy management: WAGES counting, remote reset, tariff control and energy pulse outputs
- > For installation monitoring: status input (circuit breaker trip or panel door opening), DO alarm for sound or light alert

Multiple smart alarms

- > 15 alarms available
- > Alarm conditions are available through communications and/or digital output
- > kWh alarm helps prevent consumption above a given quota



Benefits of energy & network management applications

Optimize energy consumption & enable energy efficient practices

- > Collect and analyze all consumption data (WAGES) from each area for each type of load or circuit
- > Gain an accurate understanding of business expenses by allocating all energy-related costs
- > Implement actions designed to reduce energy consumption and promote energy efficiency

Monitor network efficiency and reliability

- > Identify abnormal behavior and take corrective action before it becomes an issue
- > Reduce the duration of unplanned outages by ensuring that the right people are quickly notified
- > Plan network expansions based on accurate load profile information

Function	PowerLogic power meters			
	PM3200	PM3210	PM3250	PM3255
External power (80-477 V)	✓	✓	✓	✓
Measurement inputs through CTs (1A, 5A)	✓	✓	✓	✓
Measurement inputs through VTs	✓	✓	✓	✓
Active Energy measurements class (Total & partial kWh)	0.5S	0.5S	0.5S	0.5S
Four Quadrant Energy measurements	✓	✓	✓	✓
Electrical measurements (I, V, P, ...)	✓	✓	✓	✓
Logs				✓
Multi-tariff (internal clock)		4	4	4
Multi-tariff (external control)				4
Measurement display (number of lines)	5+	5+	5+	5+
Digital input / digital outputs	0 / 0	0 / 1	0 / 0	2 / 2
Programmable digital outputs		kWh only		✓
Alarm		5	5	15
Modbus communication			✓	✓

Understand your installation, optimize your operation

> PowerLogic PM3000 series power meters



Make the most of your energySM

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