

PowerLogic PM5000 series

The new benchmark in low-cost, precision metering

The PowerLogic™ PM5000 series meter is meticulously engineered to provide high-end cost management capabilities in a straightforward metering platform. Essential features, such as multiple tariffs, and data logging, combined with industry-leading measurement accuracy, meet energy cost management requirements for buildings and industry. Compliant with stringent, international metering standards, the PM5000 series remove any uncertainty in billing for energy costs and ensure a high level of performance that noncompliant devices cannot match.

Plus, the PM5000 series gives you more for your money with enhanced features packed into these basic-level meters, such as gateway and Ethernet functionality, as well as the ability to visualize data using your smart phone, tablet, or desktop via our Meter Insights mobile app. This series also provides basic power quality functionality, including fault alarms and harmonics monitoring. And best of all, it's easy to choose, purchase, and install the right PM5000 model for your application.

Use the PowerLogic PM5000 series meters to help maximize energy cost savings, optimize operational efficiency, and improve business performance.

Identify savings opportunities, recoup energy costs

- Reduce consumption of electricity and water
- Integrate other water, air, gas, electricity, and steam meter data
- Monitor and sub-bill tenants, equipment, and processes

Improve energy supply and reduce bills

- Verify billing and reduce penalties
- Optimize energy procurement
- Shed unnecessary loads
- Participate in demand response and peak shaving programs

Increase power system reliability

- Receive fast fault alarms
- Identify underperforming electrical assets
- Increase maintenance personnel productivity

Enhance cyber security

- Protect against tampering, hacking, or unauthorized access
- Prevent loss of sensitive data
- Help ensure business continuity by mitigating risks



★ Versatile, multi-function power and energy meters

- Ethernet-to-serial gateway functionality
- Integrated display or transducer with optional remote display
- Protocol options include Modbus and BACnet IP
- Revenue grade accuracy
- Compatible with Meter Insights mobile app
- High-end cost management, simple network management
- Submetering and feeders

PM5000 series features

Features and options	PM5110	PM5330	PM5340	PM5560	PM5563	PM5580	PM5650
Installation							
Fast panel mount with integrated display	●	●	●	●	—	●	●
Fast installation, DIN rail mountable	—	—	—	—	●	—	—
Control power	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	LVDC	AC/DC
Accuracy Class	CI 0.5S	CI 0.5S	CI 0.5S	CI 0.2S	CI 0.2S	CI 0.2S	CI 0.2S
Display							
Backlit LCD, multilingual, bar graphs, 6 lines, 4 concurrent values	●	●	●	●	—	●	●
Remote display (optional)	—	—	—	—	●	—	—
Power and energy metering							
Three-phase voltage, current, power, demand, energy, frequency, power factor	●	●	●	●	●	●	●
Multitariff	—	4	4	8	8	8	8
Power quality analysis							
THD, thd, TDD	●	●	●	●	●	●	●
Harmonics, individual (odd) up to	15th	31st	31st	63rd	63rd	63rd	63rd
Waveform capture & sag/swell detection	—	—	—	—	—	—	●
I/Os and relays							
I/Os	1DO	2DI/2DO	2DI/2DO	4DI/2DO	4DI/2DO	4DI/2DO	4DI/2DO
Relays	0	2	2	0	0	0	0
Alarms and control							
Alarms	33	35	35	52	52	52	52
Set point response time, seconds	1	1	1	1	1	1	1
Single and multicondition alarms	—	●	●	●	●	●	●
Boolean alarm logic	—	—	—	●	●	●	●
Communications							
Serial ports with Modbus™ protocol	1	1	—	1	1	1	1
Ethernet port with Modbus TCP, BACnet/IP, and EtherNet/IP protocols*	—	—	1	2**	2**	2**	2**
Ethernet-to-serial gateway	—	—	—	●	●	●	●
Onboard Web server with Web pages	—	—	—	●	●	●	●

* Ability to simultaneously communicate via Modbus TCP, BACnet/IP, and EtherNet/IP.

** 2 Ethernet ports for daisy chain, one IP address.

Compliance with international standards:

- 62053-22 Class 0.5S/Class 0.2S
- ANSI C12.20 Class 0.2 (PM5500 and higher models)
- IEC 61557-12 PMD/S/K70/0.5 (PM5100 and PM5300 models)
- IEC 61557-12 PMD/S/K70/0.2 (PM5500 and higher models)
- IEC 62053-23
- IEC 62052-11
- MID, EN50470-1/3, Annex B & Annex D
- CE as per IEC 61010-1 Ed.3
- cULus as per UL 61010-1 Ed.3



Authorized Partner

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Learn more at
www.se.com/us/pm5000

Let us help you simultaneously maximize power reliability, availability, and quality, as well as improve operational and cost efficiency for your entire enterprise with a fully integrated power management solution.

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