

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. An essential combination of features, such as multiple tariffs and data logging, merges with industry-leading measurement accuracy to match the requirements of energy cost management applications in buildings and industry. Compliant with stringent, international metering standards, the PM5000 series meters remove any uncertainty in billing for energy costs and ensure a high level of performance that noncompliant devices cannot match.

The highly capable PowerLogic PM5000 series meters are designed to provide the best combination of features to match all your energy cost management needs. They provide the measurement capabilities needed to allocate energy usage, perform tenant metering and subbilling, pinpoint energy savings, optimize equipment efficiency and utilization, and perform a basic assessment of the power quality of the electrical network.

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

Identify consumption, recoup energy costs

- Reduce consumption of electricity and water
- Subbill tenants and identify process energy use
- Identify savings opportunities
- Integrate other water, air, gas, electricity, and steam meter data

Improve energy supply

- Optimize energy procurement
- Verify billing

Reduce energy bills

- Reduce billing penalties and optimize energy procurement
- Shed unnecessary loads
- Participate in demand response and peak shaving programmes

Monitor to increase power system reliability

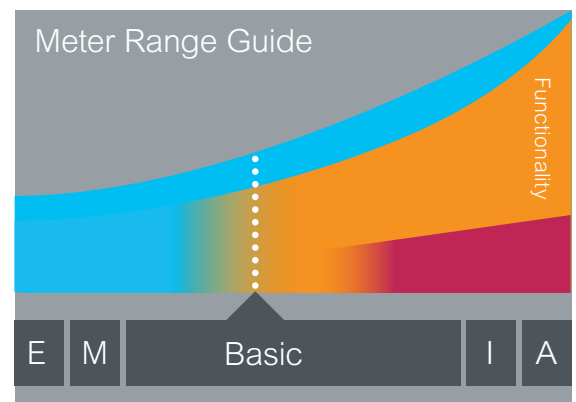
- Receive fast fault alarms
- Identify underperforming electrical assets
- Increase maintenance personnel productivity



Now with BACnet

Newest features

- Ethernet-to-serial gateway functionality
- Remote display option for PM5563 meter
- BACnet™ protocol
- Cybersecurity enhancements
- Compatible with Meter Insights QR code application



- High-end cost management, simple network management
- Submetering and feeders

Key:

| | |
|-----------------------------|-----------------------|
| E Entry | I Intermediate |
| M Multicircuit | A Advanced |
| B Basic | |
| ■ Cost management | |
| ■ Network management | |
| ■ Asset management | |

PM5000 series features

| Features and options | PM5100 | | PM5300 | | | PM5500 | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| | PM5100 | PM5110 | PM5310 | PM5320 | PM5330 | PM5340 | PM5560 | PM5563 |
| Installation | | | | | | | | |
| Fast panel mount with integrated display | ■ | ■ | ■ | ■ | ■ | ■ | ■ | - |
| Fast installation, DIN rail mountable | - | - | - | - | - | - | - | - |
| Accuracy | CI 0.5S | CI 0.5S | CI 0.5S | CI 0.5S | CI 0.5S | CI 0.5S | 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 | 4 | 4 | 8 | 8 |
| Power quality analysis | | | | | | | | |
| THD, thd, TDD | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Harmonics, individual (odd) up to | 15th | 15th | 31st | 31st | 31st | 31st | 63rd | 63rd |
| I/Os and relays | | | | | | | | |
| I/Os | 1DO | 1DO | 2DI/2DO | 2DI/2DO | 2DI/2DO | 2DI/2DO | 4DI/2DO | 4DI/2DO |
| Relays | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 |
| Alarms and control | | | | | | | | |
| Alarms | 33 | 33 | 35 | 35 | 35 | 35 | 52 | 52 |
| Set point response time, seconds | 1 | 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 |
| Ethernet port with modbus TCP protocol | - | - | - | 1 | - | 1 | 2* | 2* |
| Ethernet port with BACnet/IP Protocol* | - | - | - | 1 | - | 1 | 2** | 2** |
| Ethernet-to-serial gateway | - | - | - | - | - | - | ■ | ■ |
| Onboard Web server with Web pages | - | - | - | - | - | - | ■ | ■ |
| MID ready compliance, EN50470-1/3, Annex B and Annex D Class C | | | | | | | | |
| | | PM5111 | | | PM5331 | PM5341 | PM5561 | |

* Ability to simultaneously communicate via modbus TCP/IP and BACnet/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 models)
- IEC 61557-12 PMD/S/K70/0.5 (PM5100 & PM5300 models)
- IEC 61557-12 PMD/S/K70/0.2 (PM5500 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

Click to learn more about the PM5000 series meters.

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.