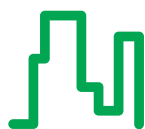


PowerLogic meters for entry-range applications

A complete range of meters for essential
electrical system measurement



DM6000 series digital panel meters
PM1000 series multifunction power meters



Buildings



Industry



Retail

Schneider
Electric

**10% reduction in energy costs
increases profit margins by up to 6%¹**



Gain control and save energy with PowerLogic technology from Schneider Electric.

Energy accounts for a significant portion of your operating costs – sometimes as much as 10 percent. It is a manageable expense that you cannot afford to ignore. The first step in taking control of your energy bills is measurement. You need reliable information about your system and your equipment to make good decisions. You need to be smart about your energy use. You need PowerLogic technology from Schneider Electric to make the most of your energy.

The PowerLogic range has the answers you need

PowerLogic from Schneider Electric is the world's largest and most advanced range of software and metering products for managing energy. PowerLogic solutions give thousands of energy suppliers and consumers a unique level of insight into every energy-related cost, risk, and opportunity. Its range includes the most comprehensive scope of metering and monitoring equipment in the industry, providing quality, reliable products from the most basic measurements to the most advanced energy management systems.

A new range for entry-range applications

Schneider Electric offers PowerLogic quality and reliability for entry-range applications where basic measurement capabilities are needed. Whether you simply need to know the load on your equipment or you need help allocating energy costs to departments or processes, you can depend on PowerLogic technology from Schneider Electric for every part of the equation.

A guaranteed return on investment

Although power meters on their own don't reduce electrical consumption, their payback has been well documented. A study by the Energy Cost Savings Council revealed that meters and monitors have an average payback period of less than six months and an average return on investment of 200 percent.²



Save up to 10 percent on your energy costs by identifying energy consumption for individual loads and pinpointing the root cause for various problems.

“ I need a basic energy measurement system that helps me identify areas for energy savings. The meters should monitor and clearly display the electrical load on my equipment so I can protect my investment. Should I choose to upgrade, I want it to be easy ” .



Tap into essential energy measurements with a simple and cost-effective metering solution.

The PowerLogic DM6000 series digital panel meters and PowerLogic PM1000 series multifunction meters provide the features you need to monitor an electrical installation affordably. Rugged enough to withstand industrial and commercial environments, both meters help you save energy and installation costs, are easy to use, and adapt to various circuit requirements onsite.

PowerLogic DM6000 series meters:

> Basic measurements (volts, amps, frequency, and power factor)

Use these meters for:

- > Equipment monitoring
- > Preventive maintenance scheduling
- > Monitoring electrical usage locally
- > Replacing multiple analog meters

PowerLogic PM1000 series meters:

- > Basic measurements (volts, amps, frequency, and power factor)
- > Energy
- > Power
- > Demand
- > Total Harmonic Distortion

Choose these meters for:

- > Energy monitoring
- > Power monitoring
- > Demand monitoring
- > Load studies and circuit optimization
- > Energy balancing
- > Energy optimization

Stock, order, and programme with ease

Our programmable CT ratios make ordering and stocking extremely easy and our meters very flexible. Programme the meters to any PT ratio, CT ratio, or circuit onsite, even after installation!

Replace multiple analog meters with one device

Depending on your application, either of these meters can replace multiple analog meters, saving panel space, reducing installation costs, and simplifying wiring.

One PowerLogic DM6000 series meter directly replaces:

- > One voltmeter with one selector switch, or three or six voltmeters
- > One ammeter with one selector switch, or three ammeters
- > Frequency meter
- > PF meter
- > RPM meter (wherever required)

One PowerLogic PM1000 series meter directly replaces:

- > One voltmeter with one selector switch, or three or six voltmeters
- > One ammeter with one selector switch, or three ammeters
- > Frequency meter
- > PF meter
- > RPM meter (wherever required)
- > KWh, KVARH, and KVAH meters
- > KW, KVA, and KVAR meters

Prolong your equipment life

Prolong your equipment life by monitoring equipment status and providing information essential for a preventive maintenance schedule.



> Retail

Power monitoring equipment measures and records energy usage — information that helps retail owners and managers to better understand their energy bill. Retailers then can track total kilowatt hours used against outside or inside temperature, time of day, number of customers, level of sales, square footage, or any other quantifiable value.¹



> Industrial

By monitoring consumption on an ongoing basis, corporate energy managers can predict electricity costs for the month, avoid penalties, and verify each bill.²



> Commercial

Research shows that “Installing submeters in master-metered buildings can reduce building-wide electricity consumption by 18-26 percent”.³



Simple to install, simple to configure, easy to use.



Simple installation

A colour-coded terminal board on the back simplifies installation and helps ensure accurate wiring. Direct connection is provided for metering voltage inputs of up to 480 V ac L-L.



User-friendly configurable load bar

A configurable load bar on the front display mimics an analog needle and monitors electrical usage locally so you can quickly gauge the percentage of load on your equipment at a glance. Customize the load bar to match your equipment.

Easy to use

A bright LED display, 15-mm alphanumeric characters, and large front panel buttons make these meters perfect for low-light environments. The display scrolls automatically from parameter to parameter, page to page, and scales displayed values from kilo to mega to giga.



The turbo key gives you quick access to the most commonly viewed parameters and easily takes you into setup mode.

Range comparisons at a glance

Metering and accuracy		PowerLogic DM6000 series	PowerLogic PM1000 series
Volts	Phase to phase average, per phase	1% of reading	1% of reading
	Phase to neutral average, per phase	1% of reading	1% of reading
Amps	Per phase and average	1% of reading	1% of reading
	Neutral amps	1% of reading	1% of reading
Power factor	Per phase and average	1% of reading	1% of reading
Power	Active	-	1% of reading
	Reactive	-	2% of reading
	Apparent (per phase and total)	-	1% of reading
Energy	Active	-	1.0 as per IEC 62053-21
	Reactive (inductive and capacitive)	-	2.0 as per IEC 62053-23
	Apparent	-	■
Energy	Total	-	■
	Import	-	■
	Export	-	■
Demand	Present demand and maximum demand (Amps, KW or KVA)	-	■
	Time remaining	-	■
Total harmonic distortion: % THD (volts and amps) per phase		-	■
Frequency		■	■
RPM		■	■
% Loading (amps)		■	■
ON hours		■	■
Number of interruptions		■	■
Run hours		-	■
Load bar: (% loading full scale)		■	■
Phase angles: amps per phase		■	■
Accuracy class 1.0 as per IEC62052-11 and IEC 62053-21		■	■
Power quality			
Total harmonic distortion: % THD (volts and amps) per phase		■	■
% Unbalance (volts and amps)		■	■
Communications			
RS-485 port with Modbus protocol		DM6200 only	PM1200 only

The PowerLogic advantage

PowerLogic is the world's largest and most advanced range of software and metering products for managing energy, giving (energy) suppliers and (energy) consumers a unique level of insight into every energy-related cost, risk, and opportunity.

Dependability

You can depend on the PowerLogic range for all your metering and monitoring needs from the most basic measurements to the most advanced energy management systems. Quality, reliability, and flexibility – all from a name you can trust.

Utilities use PowerLogic to:

- > Meter key interchange points with the highest accuracy
- > Improve the quality of power delivered to customers
- > Assure reliability and efficiency of the network and equipment

Consumers use PowerLogic to:

- > Achieve energy-related savings through improved efficiency, lower emissions, reduced energy costs, and maximized use of infrastructure
- > Improve the overall quality of power and reliability of equipment and processes

Schneider Electric, a global leader in energy management, offers proven, integrated solutions to provide:

- > Safer, more reliable energy
- > Improved efficiency and productivity
- > Reduced power quality issues
- > Optimized energy infrastructures

For industry, data centres and networks, buildings, and residential markets.
Learn more about PowerLogic products at www.schneider-electric.com

References:

- 1 *Proven Strategies for Saving Energy and Reducing Costs in a Retail Environment. Schneider Electric*
- 2 *Industrial Energy Management: Doing More with Less. Schneider Electric*
- 3 *Lowering the Total Cost of Ownership of a Sub-metering System. Schneider Electric*

Make the most of your energy

To find out more, please visit: www.schneider-electric.com

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