

FUTURE

Advanced power quality meets
unparalleled innovation

PowerLogic™ ION9000 series power quality meters

#WhatsYourBoldIdea

schneider-electric.com/ION9000



Life Is On

Schneider
Electric

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Discover the new PowerLogic™ ION9000

Your power network has a story to tell.
Meet the storyteller.

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Discover the
ION9000



Explore the
ION9000

Perfect for
your business

Take PowerLogic
ION9000 further



Powerful, refined, and packed with innovation

You have good reason to demand the very best for your power system. You need the highest performance from your power network, and within your facility. As devices become more connected and new regulations arrive, so do new opportunities to improve your power network.

The [PowerLogic ION9000](#) delivers the highest performance you need. Third-party certified as the most accurate meter in existence, its modular design, sub-cycle transient recording, flexible ION programmability, and advanced power quality analysis make it perfect for industrial or healthcare facilities, data centers, and utility networks.

[Download our PQ eGuide](#) and learn how to meter your way to better power quality.



Find out more about the PowerLogic ION9000 meter in just 60 seconds. [Watch the video!](#)

Up to 80%
of power quality disturbances are generated within a facility.

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Explore the ION9000

It combines decades of experience,
with unmatched levels of innovation

Accurate ▶

Third-party certified at Class 0.1S and as a power quality instrument (PQI), the PowerLogic ION9000 is the most accurate meter in existence today, and can help an innovative competitive edge.

Modular ▶

Cybersecure ▶

Its robust design and selection of high precision components (-25 to +70C and 3000m) is ideal for even the most demanding environments.

Onboard PQ ▶

Smart Analysis ▶

[Read our white paper](#) on high accuracy standards for power meters for more information.

Fast Transient Capture ▶

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Onboard PQ



Smart Analysis



Fast Transient Capture



PowerLogic ION9000 connects you to your future. It provides the modularity you need for your rapidly changing IoT-enabled electrical network.

Common components allow for easy ordering. I/O expansion modules enable flexible and customizable expansion that are critical for cost-effective growth as your power network expands.

≤15%

reduction in project costs



Discover more

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Explore the ION9000



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Fast Transient Capture



Nearly 54% of companies have suffered a cyber attack in the last year. The PowerLogic ION9000 is designed to align with your comprehensive [grid cybersecurity](#) policies.

When integrated within your security-driven architecture, the meter's cyber-robustness helps minimize vulnerabilities to your critical power assets and systems. Reinforce your security strategies now with the PowerLogic ION9000.



Discover more

Discover the ION9000

Explore the ION9000



Perfect for your business

Take PowerLogic ION9000 further



Explore the ION9000

It combines decades of experience, with unmatched levels of innovation

Accurate

Complies with recognized power quality monitoring standards: [IEC61000-4-30 class A](#), [IEC62586-1 / IEC62586-2](#), and verified by third-party lab certifications.

Modular

Connect via web browser for full PQ analysis, easy-to-read analysis according to [EN50160](#) and [IEEE519](#) standards.

Cybersecure

[Patented disturbance direction detection](#), extended waveform capture (0.5s pre-event data / 2.5s event data @1024 s/c) and high speed RMS data capture for in-depth analysis of any PQ disturbance in your electrical system.

Onboard PQ

Smart Analysis

Fast Transient Capture



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Onboard PQ



Smart Analysis



Fast Transient Capture



The ION9000 provides advanced diagnostic information to EcoStruxure Power software for power quality analysis and system forensics. Graphical event analysis makes it easy to see what happened and provides the contextual information needed to quickly draw conclusions about cause and effect.

Knowing exactly what happened during an incident is vital for re-establishing normal operations as quickly and safely as possible, and helps mitigate future occurrences of similar incidents.



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Accurate



Damage from transient voltages may not be obvious, and identifying the cause of this damage can be challenging.

Modular



Often diagnosed as 'unknown,' today the ION9000T samples at 10 MHz on 4-phase voltages, so it captures and records these sub-cycle transients and help facilities quickly get to the root cause of these events.

Cybersecure



Onboard PQ



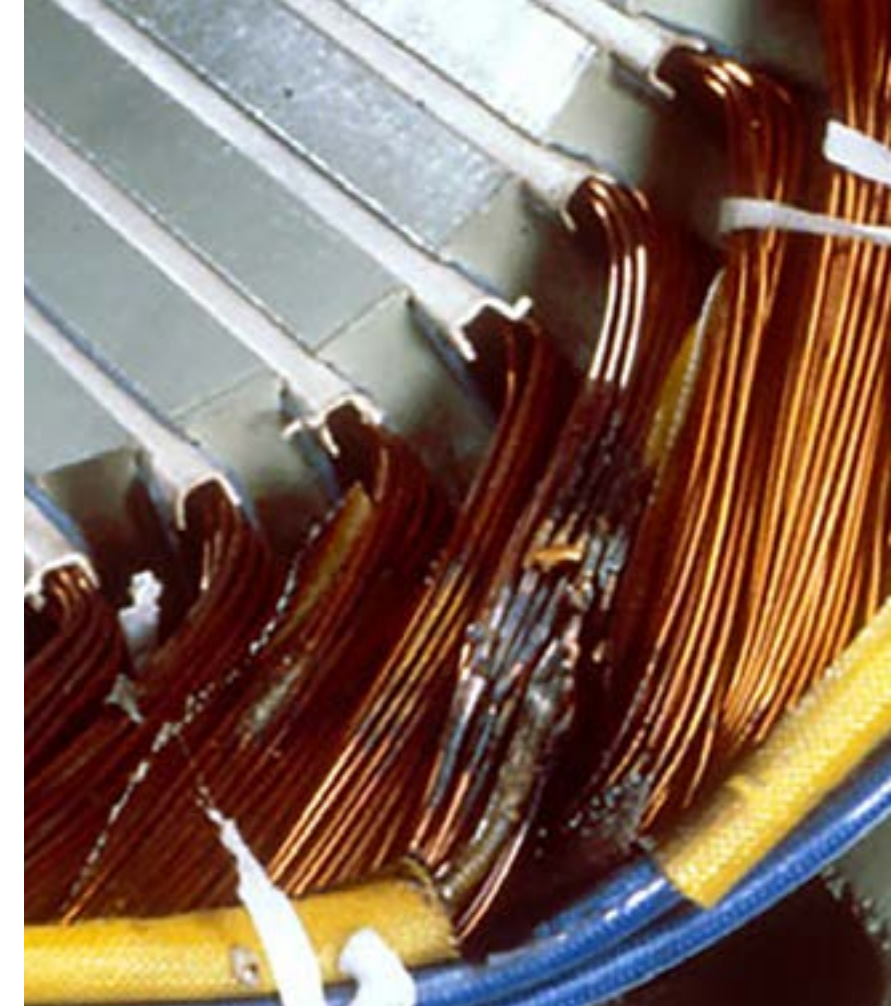
Smart Analysis



Fast Transient
Capture



With the array of sensitive electronics today, the ability to measure and capture these sub-cycle transients – combined with power quality analytics – can be the difference between success or failure.



Winding damage due
to voltage transients.

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Explore the
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It's more than a meter

Unique, adaptable ION programmability protects your investment into the future

Apply complex logic for alarming or control

Customize power monitoring, analysis and control operations

Totalize energy data from many devices

Breaker monitoring

Demand control and load shedding

Allocate costs to specific processes, departments, or offices

Implement custom substation automation, demand and load management applications

While every ION meter comes with factory-configured architecture, legendary, patented ION technology also adapts easily to your power network as it becomes more dynamic, as new energy efficient devices are installed, or new regulations are passed.

Watch the video

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Perfect for your business

Designed for those who demand the very best in their power network performance, whether in critical power demand-side, or supply-side applications.

Data Centers

Healthcare

Industry

Utilities

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For Data Centers

On average a one-hour power loss event costs a data center \$1 million and a compromised reputation. Plus, energy costs now consume up to 50% of a typical data center's operating budget.

PowerLogic ION9000 meters provide precision accuracy, the ability to quickly locate disturbances, help predict maintenance needs, and aid in monitoring ongoing operations like battery health and runtime variations.

Discover how a single power management system can track, monitor, and manage the energy in a data center.

[Watch the video!](#)



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For Healthcare

Facility manager and site electricians know that issues can arise from non-linear loads, inadvertent injection of harmonics, and interaction between medical equipment.

The ION9000 is able to detect and prevent power incidents that could lead to patient risk and legal consequences. Its power quality capabilities ensure your power network and its sensitive electronic loads are monitored and analyzed 24x7 for peak performance and any deviations from the ideal.

Keep the power distribution system available, reliable and efficient in your healthcare facility.
[Watch the video!](#)



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For Industry

For site managers, facility operators, and head electricians looking to improve availability and uptime, the ION9000 provides key real time, historical, and PQ information dashboards, reporting, and control.

Combine with EcoStruxure Power edge control software and solutions for detailed preventative views into the electrical infrastructure, to help mitigate the events that put your whole business at risk, and can also help quickly pinpoint the root cause of power system failures.

Discover how industry is optimizing its power consumption. [Watch the video!](#)



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For Utilities

Demands for electric power today are anything but simple. New and diverse industries are appearing and their products and services require either much finer voltage supply tolerances, or very enhanced reliability. Probably both.

For electrical suppliers, the ION9000 delivers the most revealing network picture ever. Combined with EcoStruxure Power edge control software, your power network will discover new levels of reliability, efficiency, and compliance.

Discover our real experience using power quality data to improve power distribution reliability.

[Read the white paper!](#)



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Take the PowerLogic ION9000 even further

Edge control power management and control software, and analytic services that scale to your demands and adapt to your needs.

Discover the Benefits

EcoStruxure™ Power Edge Control software

Apps, Analytics, and Services

Get extra help from an EcoXpert

Read about PQ metering in action

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Explore the ION9000

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Take PowerLogic ION9000 further



Future-ready power systems

EcoStruxure Power delivers more safe, reliable and efficient power for peace of mind and significant financial benefits. IoT-enabled future-proof solutions are tailored to meet your specific needs and simply work. Our digitized LV and MV solutions are powered by innovation at every level – enabling enhanced connectivity, real-time operations and smart analytics.

IoT-connected solutions are ready to improve every aspect of your electrical distribution system. Take total control with real-time data and smart analytics for predictive maintenance.



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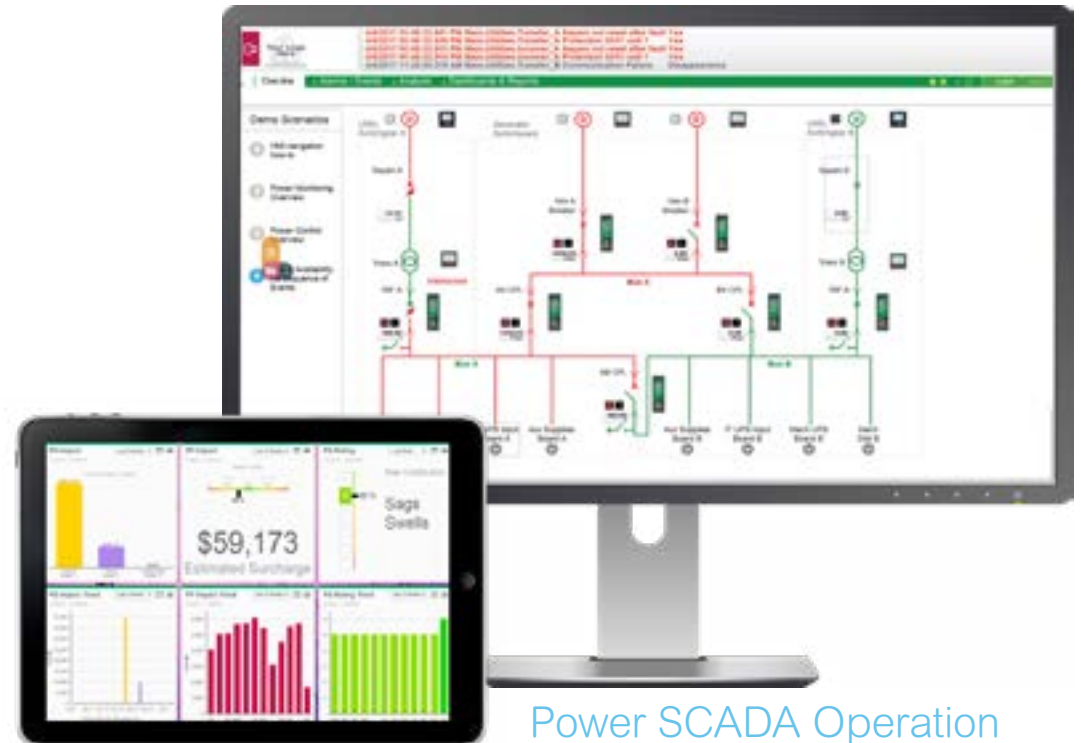


EcoStruxure Power edge control software

Make informed, data-driven decisions. Track equipment and maintenance activity to reduce downtime, energy use, and maintenance costs, all while improving site planning and revealing additional capacity.

- Increase power availability
- Help protect people and equipment
- Improve operational efficiency
- Ensure compliance with local or national standards

[Watch the video](#) to discover how you can achieve more with less in your power critical facility.



Power Monitoring Expert

Power SCADA Operation

[Try the demos!](#)

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Apps, analytics, and services

Maximize the value of your data.

Receive expert analysis and recommendations that help.

- Optimize energy efficiency and reduce energy-related costs
- Reduce downtime from network issues or equipment failure
- Improve predictive maintenance and reduce reactive maintenance issues



Discover more



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Get extra help from an EcoXpert™

For intelligent and sustainable solutions that help reduce risk and cost, discover the EcoXpert certification program.

EcoXperts are certified in the fields of power management, building automation, light and room control, and data connectivity. Together we deliver services and solutions that exceed your expectations and build sustainable success for your facility.



[Discover more](#)



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Advanced PQ metering in action

Oxford University has committed to reducing its carbon footprint by 33% by 2020.

One of the key ways in which it is planning to reach these sustainability targets is by encouraging energy efficient practices and investing in its estate to reduce carbon emissions.

[Learn more](#)

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Learn more



Discover EcoStruxure™



Learn more about EcoStruxure™ Power.



Geneva Airport: How EcoStruxure™ modernizes electrical distribution, from parking to departure, without delays.



Contact us to start your journey.

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