

PowerLogic ION7400

Compact, 3-phase multifunction energy and power quality compliance meters ideal for utility feeder applications



Accuracy, precision, and performance

- High quality, reliability, and accuracy: 3-phase power and energy measurements with power quality compliance monitoring, data and event logging, and alarming
- ANSI C12.20 Class 0.2 revenue metering and network management data
- Built-in intelligence: RTU polls downstream devices like relays or other telemetry devices
- Exceptional adaptability: integrates into existing billing/SCADA systems
- Pinpoints disturbances with disturbance direction detection (DDD) as upstream or downstream of the meter
- Provides a high degree of visibility to data and assets that allows for cost savings, rapid response time, and better decisions

Object-oriented intelligence

- Device-embedded intelligence and network connectivity improves productivity (IoT)
- Unique, fully-functional object-oriented and patented ION technology allows tremendous flexibility and creativity
- Modular design makes it possible to customize features or functions to suit your specific needs
- Protects your infrastructure investment, now and in the future, helps you meet customer, shareholder, regulatory, reliability, and environmental goals

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PowerLogic ION7400 meters, combined with StruxureWare Power Monitoring Expert or PowerSCADA software – or with an existing SCADA system – are key components within a comprehensive power management system

Excellent quality

ISO 9001 and ISO 14000 certified manufacturing to ensure your investment retains value and precision

Green Premium eco-mark

Confidently confirm and incorporate compliance status of our products into your environmental policies.

Schneider Electric commits to disclose reliable, comprehensive information on the environmental impacts of our products.

Flexible and modular

- Integrates into existing billing/SCADA systems
- 'Out of the box' connectivity with open, scalable StruxureWare PowerSCADA, StruxureWare Power Monitoring Expert, and ION Setup software
- Extensive data access options: utility-focused HMI, ANSI Type 2 optical port, USB port, multi-protocol communications (including IRIG-B), and calibration pulsing
- Dual-port Ethernet supports daisy-chaining, redundant loops, and multiple protocols
- Digital I/O for status monitoring, alarming, count metering, or analog I/O to track sensors, or fuel levels
- Modbus Master, Ethernet-to-serial gateway

PQ compliance reporting, PQ analysis

- Monitors and logs parameters in support of multiple international PQ compliance measurement standards
- Harmonics: high resolution waveform capture and Flicker influence

Alarming and control

- 50+ definable alarms to log critical event data, trigger waveform recording, or perform control
- Trigger on any condition, with cycle-by-cycle and 1-second response time
- Combine alarms using Boolean logic and to create alarm levels
- Alarm notification via email text message
- Use Power Monitoring Expert software to categorize, trend, and evaluate conditions



Reference numbers

Meter	Description
METSEION7400	ION7400 Panel mount (integrated display with optical port and 2 energy pulse LEDs)
METSEION7403	DIN rail mount - utility meter base
Accessories	Description
METSEPM89RD96	Remote display, 3 metre cable, mounting hardware for 30mm hole (nut & centering pin), mounting hardware for DIN96 cutout (92x92mm) adapter plate
METSEPM89M2600	Digital I/O module (6 digital inputs & 2 relay outputs)
METSEPM89M0024	Analogue I/O module (4 analogue inputs & 2 analogue outputs)
METSECAB10	Display Cable, 10 metres



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