

PowerLogic

New!

## ION7350/7330/7300/6200 Power and Energy Meters



Used in diverse applications such as feeder monitoring and sub-metering, the PowerLogic ION7300 series meters are also suitable for high-accuracy power and energy metering, bill verification, cost allocation and billing, demand and power factor control, load studies, circuit optimization, equipment monitoring and control and preventative maintenance. They are ideal replacements for analog meters, with a multitude of power and energy measurements, analog and digital I/O, communication ports and industry-standard protocols. The ION7330 meter adds on-board data storage, emails of logged data and an optional modem. The ION7350 meter is further augmented by more sophisticated power quality analysis, alarms and a call-back-on-alarm feature. They are compatible with PowerLogic ION EEM enterprise energy management software, PowerLogic ION Enterprise operations software or can be integrated with other energy management or building control systems through multiple communication channels and protocols.

### PowerLogic ION7350, ION7330 and ION7300 Power and Energy Meter Features

#### The PowerLogic ION7300 includes:

- Multiple form factors: transducer integrated and Time of use - multi-year scheduling, hourly activity profiles remote display models, GE S1 or ABB FT21 • 4 digital inputs for status monitoring and pulse counting switchboard forms
- True RMS 3-phase voltage, current, and power that ModemGate, meets stringent ANSI C12.16, Class 10 ports
- Power quality: harmonics - individual, even, odd, total • plus math, to the 15th, maximum 32 samples/cycle
- Communications: 1 RS-485 port, 1 optional Ethernet min/max logging, port, 1 ANSI Type 2 infrared optical port, 1 PROFIBUS min/max logging, up to 32 channels of historical logs, timestamp DP port (ION7300 only), onboard web server resolution to 0.001 seconds
- Supported protocols include : ION, Modbus RTU slave on serial, modem, I/R ports, Modbus TCP through Ethernet
- Extensive standard I/O includes: 4 analog inputs, 4 analog outputs, 4 digital relay outputs
- Minimum/maximum recording

#### The ION7330 adds the following features:

- Communications: a second RS-485 port, internal modem, DNP 3.0 through serial, modem and I/R ports, EtherGate and data/alarms via e-mail and MV-90 on serial and Ethernet
- 12, one second setpoints for single, multi-condition alarms, logic, trig, log, and linearization formulas
- Non-volatile onboard memory capacity of 300kb, min/max logging, up to 32 channels of historical logs

#### The ION7350 includes the following additional features:

- Power Quality: sag/swell, individual, even, odd, total harmonics up to 31st , maximum 64 samples/cycle
- Up to 96 channels of logs and up to 48 cycles of waveform logs
- Alarm notifications via e-mail

**Table 4.6: Typical PowerLogic ION7350/7330/7300 Power and Energy Ordering Configurations**

Description	Catalog No.	\$ Price
<b>Typical PowerLogic ION7350 Power and Energy Meter Ordering Configurations</b>		
Integrated display with optical port, 5A inputs, standard power supply, standard comms, (two RS-485 ports) plus 10BaseT Ethernet	S7350A0B0B0E0A0A	<b>3567.00</b>
Integrated display with optical port, 5A inputs, standard power supply, standard comms, (two RS-485 ports)	S7350A0B0B0A0A0A	<b>2906.00</b>
<b>Typical PowerLogic ION7330 Power and Energy Meter Ordering Configurations</b>		
Integrated display with optical port, 5A inputs, standard power supply, standard comms, (two RS-485 ports) plus 10BaseT Ethernet	S7330A0B0B0E0A0A	<b>2800.00</b>
Integrated display with optical port, 5A inputs, standard power supply, standard comms, (two RS-485 ports)	S7330A0B0B0A0A0A	<b>2159.00</b>
<b>Typical PowerLogic ION7300 Power and Energy Meter Ordering Configurations</b>		
Integrated display with optical port, 5A inputs, standard power supply, standard comms, (one RS-485 port)	S7300A0B0B0A0A0A	<b>1436.00</b>



The modular PowerLogic ION6200 is a low-cost, ultra-compact meter that offers outstanding versatility and functionality. It is simple to use, and has a big, bright LED display. It offers four-quadrant power, demand, energy, power factor and frequency measurements, and is available in a variety of flexible configurations. It is available as a low-cost base model to which enhanced functionality can be added over the long term. The PowerLogic ION6200 is ideal for customers who need revenue-accurate and/or certified measurements and want easy integration with power distribution assemblies and building automation systems. A Megawatt version is available for applications requiring readings in megawatts and kilovolts. It is well suited for sub-metering, energy cost tracking load profiling, and substation panel metering and is an ideal replacement for analog meters. It can be used for stand-alone metering in custom panels, switchboards, switchgear, gensets, motor control centers and UPS systems.

The meter consists of a base unit with options card and a power supply pack, with a remote display being optional.

**PowerLogic ION6200 Power and Energy Meter Features**

- Only two inches deep, and fits a standard **The standard ION6200 is available with the following parameters:**

ANSI four-inch switchboard cutout, or as a

Voltage L-N average and per phase, Voltage L-L average and per phase,

TRAN model with no display and can be

Current average and per phase

fastened to a flat surface with a 4" (10cm)

ANSI bolt pattern or mounted to a DIN rail. **Option EP#1, includes the standard measurements and provides the**

A remote display module (RMD) can be **following additional parameters:**

ordered for the TRAN and mounted through I4, kW/mW total, kWh/mWh total, kW/mW peak, Current demand

an ANSI 4" (10cm) and DIN 96 cutout. average and per phase, Current peak demand average and per phase,

- LED display with twelve 3/4" (19mm) high Power factor total digits that display all basic power parameters

**Optional Enhanced Package, includes the standard measurements**

- Pulse Outputs: optional kWh, kVARh and/or **and provides the following additional parameters:** kVAh pulsing
- Via two Form A outputs kW/mW per phase, kVAR/mVAR total and per phase, kVA/mVA total and • Communications: optional RS-485 port with per phase, kWh/mWh and del/rec per phase, kVARh/mVARh total and Modbus RTU and ION compatible del/rec per phase, kVAh/mVAh total and per phase, kW/mW demand,
- 64 samples per cycle true RMS kVAR/mVAR demand and peak, kVA/mVA demand and peak, Power
- 3-phase voltage and current inputs Factor per phase, Voltage THD per phase, Current THD per phase

Please refer to powerlogic.com for the most complete and up-to-date list of feature availability. Some features are optional.

**Table 4.7: Typical PowerLogic ION6200 Power and Energy Meter Ordering Configurations**

Description	Catalog No.	\$ Price
Integrated display, 10A inputs, standard 100-240 Vac power supply, RS485 port (Modbus RTU), Enhanced Package #2	S6200A0A0B0A0A0R	943.00
TRAN Model, with remote display, 10A inputs, standard 100-240 Vac power supply, RS485 port (Modbus RTU), Enhanced Package #2	S6200R1A0B0A0A0R	977.00
TRAN Model, (no display), 10A inputs, standard 100-240 Vac power supply, RS485 port (Modbus RTU), Enhanced Package #2	S6200T1A0B0A0A0R	753.00

**4-7**Discount

Schedule

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