



Main

Range	PowerLogic
Product name	PowerLogic ION6200
Device short name	ION6200
Product or component type	Energy and power quality meter

Complementary

Power quality analysis	Harmonic distortion
Device application	Metering
Type of measurement	<ul style="list-style-type: none"> Apparent power total Apparent power per phase Current Voltage Frequency Harmonic distortion (I THD & U THD) Active and reactive power total Active and reactive energy Apparent energy Power factor Demand current (I1, I2, I3, Ig) Active and reactive power per phase
Supply voltage	<ul style="list-style-type: none"> 100...240 V AC 50/60 Hz 110...300 V DC
Network frequency	<ul style="list-style-type: none"> 50 Hz 60 Hz
Line Rated Current	10 A
Poles description	<ul style="list-style-type: none"> 3P 3P + N 2P + N
Power consumption in VA	0.05 VA
Display type	7 segments LED + decimal point
Sampling rate	64 samples/cycle
Measurement current	0.005...12 A
Measurement voltage	<ul style="list-style-type: none"> 60...400 V AC 50...60 Hz between phase and neutral 103.5...690 V AC 50...60 Hz between phases
Frequency measurement range	50...60 Hz
Number of inputs	0
Measurement accuracy	<ul style="list-style-type: none"> Current 0.3 % Voltage 0.3 % Power +/- 0.5 % Frequency +/- 0.1 % Power factor +/- 1 % Energy +/- 0.5 %
Accuracy class	<ul style="list-style-type: none"> Class 0.5 power IEC 60687 Class 0.5 energy IEC 60687 Class 0.5 power ANSI C12.20 Class 0.5 energy ANSI C12.20
Number of outputs	2 pulse

Communication port protocol	Modbus RTU, master 19200 bauds ION
Communication port support	Screw terminal block RS485 isolated
Transmission rate	19200 bauds
Tamperproof of settings	Protected by access code

Environment

Electromagnetic compatibility	Electrostatic discharge immunity test IEC 61000-4-2 Immunity to radiated fields IEC 61000-4-3 Immunity to fast transients IEC 61000-4-4 Surge immunity test IEC 61000-4-5 Conducted radio-frequency immunity test IEC 61000-4-6 Emission standard for industrial environments IEC 61000-4-2
Mounting mode	Panel-mounted
Mounting support	Enclosure door
Type of installation	Indoor
IP degree of protection	Front IP65 Back IP30
Relative humidity	5...95 %
Pollution degree	2
Ambient air temperature for operation	-4...158 °F (-20...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Product certifications	CUL CSA C22.2
Standards	CSA 1010-1 EN 61010-1 UL 3111-1
Maximum Width	4.33 in (110 mm)
Maximum Depth	2.56 in (65 mm)
Maximum Height	4.33 in (110 mm)
Net Weight	1.50 lb(US) (0.68 kg)

Ordering and shipping details

Category	09751 - POWERLOGIC ION 6200 HARDWARE
Discount Schedule	PM1
GTIN	00785901568926
Package weight(Lbs)	2.4 lb(US) (1.09 kg)
Returnability	Yes
Country of origin	CA

Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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