



### Main

Range	PowerLogic
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	Current Voltage Frequency Harmonic distortion (I THD & U THD)
Supply voltage	100...240 V AC 50/60 Hz 110...300 V DC
Network frequency	60 Hz 50 Hz
[In] rated current	10 A
Type of network	3P + N 3P 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	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	Current 0.3 % Voltage 0.3 % Power +/- 0.5 % Frequency +/- 0.1 % Power factor +/- 1 % Energy +/- 0.5 %
Accuracy class	Class 0.5 power conforming to IEC 60687 Class 0.5 energy conforming to IEC 60687 Class 0.5 power conforming to ANSI C12.20

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Class 0.5 energy conforming to ANSI C12.20

Number of outputs	0
Communication port protocol	Modbus RTU, master at 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 conforming to IEC 61000-4-2 Immunity to radiated fields conforming to IEC 61000-4-3 Immunity to fast transients conforming to IEC 61000-4-4 Surge immunity test conforming to IEC 61000-4-5 Conducted radio-frequency immunity test conforming to IEC 61000-4-6 Emission standard for industrial environments conforming to IEC 61000-4-2
Mounting mode	Panel-mounted
Mounting support	Enclosure door
Type of installation	Indoor installation
IP degree of protection	IP30 back: IP65 front:
Relative humidity	5...95 %
Pollution degree	2
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for storage	-40...85 °C
Product certifications	CUL conforming to CSA C22.2
Standards	CSA 1010-1 EN 61010-1 UL 3111-1
Width	110 mm
Depth	65 mm
Height	110 mm
Net weight	0.68 kg

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins