



Main

Range	PowerLogic
Product name	PowerLogic ION7550
Device short name	ION7550
Product or component type	Energy and power quality meter

Complementary

Power quality analysis	Waveform capture Disturbance direction detection Compliance monitoring Dip and swell, transient Harmonic distortion Programmability (logic and math functions) Setpoint learning Voltage sag and swell detection Up to the 63rd harmonic
Device application	Energy pulsing and totalisation Equipment monitoring and control Demand and power factor control Tariff metering Load curtailment Instrument transformer correction Co-generation and IPP monitoring
Type of measurement	Apparent power total Apparent power per phase Active power total Active power per phase Reactive power total Reactive power per phase Voltage Current Frequency Power factor total Power factor per phase
[Us] rated supply voltage	85...240 V AC 47...63 Hz

	110...300 V DC
Network frequency	60 Hz
Line Rated Current	5 A
Poles description	1P + N 3P 3P + N
Power consumption in VA	20 VA at 85...240 V AC 20 VA at 110...300 V DC
Max power consumption in VA	45 VA at 85...240 V AC 45 VA at 110...300 V DC
Display type	Backlit LCD
Sampling rate	256 samples/cycle
Measurement current	0...5 A
Analogue input type	Current 0.005...20 A 0.002 Ohm
Measurement voltage	100...600 V AC phase to phase 57...347 V AC phase to neutral
Frequency measurement range	42...69 Hz
Number of inputs	8 digital 120 V DC
Measurement accuracy	0.2 % energy 0.1 % current 1...5 A 0.1 % voltage 57...288 V
Accuracy class	Class 0.2S energy conforming to IEC 62053-22
Number of outputs	3 relay 4 solid state
Communication port protocol	Telnet IEC 61850 DNP3 : <= 115.2 kbits/s, ION : <= 115.2 kbits/s, Modbus : <= 115.2 kbits/s, TCP/IP : 10/100 Mbit/s,
Communication port support	Ethernet RJ45 Infrared RS485 terminal block RS485/RS232 SUB-D 9
Data recording	Time stamping Min/Max of instantaneous values Data logs Sequence of event recording GPS synchronisation Trending/Forecasting Event logs
Transmission rate	300...115200 bauds 300...57600 bauds 10/100 Mbit/s <= 19200 bauds
Memory capacity	5 MB
Web services	Web server
Tamperproof of settings	Protected by access code

Environment

Electromagnetic compatibility	<ul style="list-style-type: none"> • susceptibility to electromagnetic fields, conforming to IEC 61000-4-3 • electrical fast transient/burst immunity test, conforming to IEC 61000-4-4 • 1.2/50 µs shock waves immunity test, conforming to IEC 61000-4-5 • electrostatic discharge, conforming to IEC 61000-4-2 • conducted and radiated emissions class B, conforming to CISPR 22
Mounting mode	Flush-mounted
Type of installation	Indoor installation
Overvoltage category	III
IP degree of protection	IP30 back IEC 60529 IP50 front face IEC 60529
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)
Operating altitude	0...6561.68 ft (0...2000 m)
Standards	IEC 61010-1
Width	7.56 in (192 mm)
Depth	6.85 in (174 mm)
Height	7.56 in (192 mm)
Product weight	4.19 lb(US) (1.9 kg)

Ordering and shipping details

Category	09754 - POWERLOGIC ION 7500 HARDWARE
Discount Schedule	PM1
GTIN	00785901496441
Nbr. of units in pkg.	1
Package weight(Lbs)	6.299999999999998
Returnability	Y
Country of origin	CA

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0801 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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