

ION7650, wDispl, 10MB 1024s, 1A 240VAC/300VDC 50Hz - RS+T2 -20I+3R+8O

M7650B1E0B5A0N0A

PowerLogic

! Discontinued on: Jun 1, 2021

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Main Range

Nango	roweilogic
Device Short Name	ION7650
Product Or Component Type	Energy and power quality meter
Complementary	
Power Quality Analysis	harmonic distortion voltage sag and swell detection waveform capture compliance monitoring dip and swell, transient disturbance direction detection programmablity (logic and math functions) setpoint learning up to the 63rd harmonic
Device Application	Energy pulsing and totalisation Demand and power factor control Tariff metering Equipment monitoring and control Co-generation and IPP monitoring Load curtailment Instrument transformer correction
Type Of Measurement	Current Voltage Frequency Apparent power total Power factor total Apparent power per phase Power factor per phase Active power total Active power total Reactive power per phase
Supply Voltage	110300 V DC 85240 V AC 4763 Hz
Network Frequency	50 Hz
[In] Rated Current	1 A
Type Of Network	1P + N 3P + N 3P
Power Consumption In Va	20 VA
Maximum Power Consumption In Va	45 VA
Display Resolution	320 x 240 pixels QVGA
Display Type	Backlit LCD

Sampling Rate	1024 samples/cycle
Measurement Current	01 A
Input Type	Current 0.00520 A (impedance 0.015 Ohm)
Measurement Voltage	100600 V AC phase to phase 57347 V AC phase to neutral
Frequency Measurement Range	4269 Hz
Number Of Inputs	16 digital 120 V DC 4 analog 020 mA
Measurement Accuracy	Current 0.1 % 15 A Voltage 0.1 % 57288 V Energy 0.2 %
Accuracy Class	Class 0.2S energy conforming to IEC 62053-22
Number Of Outputs	3 relay 4 solid state 4 analog
Communication Port Protocol	Telnet DNP3 at <= 115.2 kbits/s ION at <= 115.2 kbits/s Modbus at <= 115.2 kbits/s Modbus, master
Communication Port Support	RS485 SUB-D 9: RS485/RS232 Infrared
Data Recording	GPS synchronisation Trending/forecasting Time stamping Min/max of instantaneous values Event logs Data logs Sequence of event recording
Transmission Rate	30057600 bauds 300115200 bauds <= 19200 bauds
Memory Capacity	10 MB
Web Services	Web server
Tamperproof Of Settings	Protected by access code
Compatibility Code	ION7650
Environment	
Electromagnetic Compatibility	Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 Electrostatic discharge conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 Conducted and radiated emissions B conforming to CISPR 22

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Mounting Mode	Flush-mounted
Mounting Support	Enclosure door
Type Of Installation	Indoor installation
Overvoltage Category	III
Ip Degree Of Protection	IP30 back: conforming to IEC 60529 IP50 front face: conforming to IEC 60529
Relative Humidity	595 %
Pollution Degree	2
Ambient Air Temperature For Operation	-2070 °C

Ambient Air Temperature For Storage	-4085 °C
Operating Altitude	02000 m
Standards	IEC 61010-1
Width	192 mm
Depth	174 mm
Height	192 mm
Net Weight	1.9 kg

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov