

ION7650, wDispl, 5MB 1024s, 5A 240VAC/300VDC 50Hz - RS+T2+E+F+M - 20I+3R+8O

M7650B0C0B5D7N0A

Discontinued on: Jul 21, 2023

(!) Discontinued

Main

Range	PowerLogic
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	Demand and power factor control
	Co-generation and IPP monitoring
	Load curtailment
	Energy pulsing and totalisation
	Tariff metering
	Equipment monitoring and control
	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 Active power per phase
	Reactive power total
	Reactive power per phase
Supply Voltage	110300 V DC
	85240 V AC 4763 Hz
Network Frequency	50 Hz
[In] Rated Current	5 A
Type Of Network	3P
	1P + N
	3P + N
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	512 samples/cycle
Measurement Current	05 A
Input Type	Current 0.00520 A (impedance 0.002 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 TCP/IP at 10/100 Mbit/s
Communication Port Support	RJ45: ETHERNET RS485 Infrared RJ11: modem SUB-D 9: RS232 SC: fiber optic
Data Recording	Min/max of instantaneous values Data logs Time stamping GPS synchronisation Sequence of event recording Trending/forecasting Event logs
Transmission Rate	10/100 Mbit/s <= 115.2 kbits/s <= 57.6 kbits/s
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
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 %

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Pollution Degree

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	26.0 cm
Package 1 Width	26.0 cm
Package 1 Length	44.0 cm
Package 1 Weight	2.959 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: This product can expose you to chemicals including: Dichloromethane (Methylene chloride) and Bisphenol A (BPA) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov