

ION7650, wDisp - 10MB 1024s, 5A 240VAC/300VDC 50Hz -RS+T2+E+F+M - 20I+3R+8O T

M7650B1C0B5D7N0F

! Discontinued on: Jun 1, 2021

① Discontinued

Main

Wall		
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	

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 conforming to IEC 61000-4-30: class A power quality measurement conforming to EN 50160 compliance report
Device Application	Load curtailment Tariff metering Demand and power factor control Equipment monitoring and control Co-generation and IPP monitoring Instrument transformer correction Energy pulsing and totalisation
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 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

Apr 25, 2024 Life Is On Schneider

20 VA

45 VA

320 x 240 pixels QVGA

Power Consumption In Va

Display Resolution

Maximum Power Consumption In

Display Type	Backlit LCD
Sampling Rate	1024 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	Time stamping GPS synchronisation Min/max of instantaneous values Trending/forecasting Event logs Data logs Sequence of event recording
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	Indeer installation

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 %	

Surface Finish	Coated
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