

ION7650, wDispl, 10MB 1024s, 5A 240VAC/300VDC 50Hz -RS+T2+E+M - 8I+3R+4O T

M7650B1C0B5C1A0F

! Discontinued on: Jun 1, 2021

① Discontinued

Main

| Walli | | |
|---------------------------|--|--|
| 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 | |

conforming to IEC 61000-4-30: class A power quality measurement conforming to EN 50160 compliance report

Demand and power factor control

compliance monitoring dip and swell, transient disturbance direction detection programmablity (logic and math functions)

setpoint learning up to the 63rd harmonic

Device Application

Tariff metering
Instrument transformer correction
Co-generation and IPP monitoring
Load curtailment
Equipment monitoring and control

Energy pulsing and totalisation

Type Of Measurement

Frequency
Apparent power total
Power factor total
Apparent power per phase
Power factor per phase
Active power total

Active power per phase Reactive power total Reactive power per phase

Current Voltage

Supply Voltage

110...300 V DC 85...240 V AC 47...63 Hz

Network Frequency

50 Hz 5 A

[In] Rated Current

3P + N 1P + N

Type Of Network

1P + 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 | 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 | 8 digital 120 V DC | | |
| 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 | | |
| Communication Port Protocol | Telnet DNP3 at <= 115.2 kbits/s ION at <= 115.2 kbits/s Modbus at <= 115.2 kbits/s IEC 61850 TCP/IP at 10/100 Mbit/s | | |
| Communication Port Support | RJ45: ETHERNET RS485 Infrared RJ11: modem SUB-D 9: RS232 | | |
| Data Recording | Data logs Sequence of event recording Min/max of instantaneous values Event logs GPS synchronisation Time stamping Trending/forecasting | | |
| Transmission Rate | 10/100 Mbit/s <= 57.6 kbits/s <= 115.2 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 | | |

IP30 back: conforming to IEC 60529 IP50 front face: conforming to IEC 60529

5...95 %

Coated

Overvoltage Category

Relative Humidity

Surface Finish

Ip Degree Of Protection

| 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 |