



## Commercial status

End of Commercialisation :

⚠ End of Commercialisation

## Main

Range	PowerLogic
Device short name	ION8800A
Product or component type	Energy and power quality meter

## Complementary

Power quality analysis	<p>Conforming to IEC 61000-4-15 flicker  Magnitude harmonic up to the 50th  Conforming to IEEE 519: 1992 harmonic control  Conforming to IEEE 1159: 1995 power quality monitoring  Symmetrical component  Transient detection (20 µs)  Voltage sag and swell detection  Programmability (logic and math functions)  Up to the 63rd harmonic  Conforming to IEC 61000-4-30: class A power quality measurement  conforming to EN 50160 compliance report</p>
Device application	<p>Equipment monitoring and control  Load curtailment  Contract optimisation  Power monitoring  Instrument transformer correction  Demand and power factor control  Energy pulsing and totalisation  Co-generation and IPP monitoring  Tariff metering</p>
Type of measurement	<p>Current  Voltage  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</p>
[Us] rated supply voltage	<p>85...240 V AC 47...63 Hz  110...270 V DC</p>
Network frequency	50 Hz
[In] rated current	1 A
Poles description	<p>1P + N  3P + N  3P</p>

Power consumption in VA	19 VA
Maximum power consumption in VA	32 VA
Display type	FSTN transreflective LCD
Sampling rate	1024 samples/cycle
Measurement current	0...1 A
Analogue input type	Current 0.001...10 A (impedance 0.01 Ohm)
Measurement voltage	57...288 V AC phase to neutral 99...500 V AC phase to phase
Frequency measurement range	47...63 Hz
Number of inputs	0
Measurement accuracy	Current 0.1 % Voltage 0.1 % Power 0.2 % Power factor 0.1 % Frequency 0.005 Hz Energy 0.2 %
Accuracy class	Class 0.2S active energy conforming to IEC 62053-22 Class 0.2S reactive energy conforming to IEC 62053-23
Number of outputs	1 alarm output 8 form A triac output 4 form C solid state output 2 IEC 1107 pulse
Communication port protocol	DLMS ION TCP/IP at 10/100 Mbit/s DNP3 Modbus RTU, master/slave at <= 19200 bauds Modbus RTU, master/slave at 300...57600 bauds Modbus RTU, master/slave at 300...115200 bauds Modbus TCP, master/slave at 10/100 Mbit/s IEC 1107 at <= 19200 bauds
Communication port support	Screw terminal block: RS485 RJ45: ETHERNET Infrared DB9: RS485/RS232
Data recording	Min/Max of instantaneous values Alarms Waveform logs Time stamping Transient logs Historical logs Data logs GPS synchronisation
Transmission rate	300...57600 bauds 10/100 Mbit/s 300...115200 bauds <= 19200 bauds
Memory capacity	10 MB
Web services	Web server
Tamperproof of settings	Protected by access code
Compatibility code	ION8800A

## Environment

Electromagnetic compatibility	Conducted RF disturbances conforming to IEC 61000-4-6 Immunity to impulse waves conforming to IEC 61000-4-12 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	Rack-mounted
Enclosure type	19" rack
Type of installation	Indoor installation
Overvoltage category	III
IP degree of protection	IP51 conforming to IEC 60529
Relative humidity	5...95 %
Pollution degree	2

Ambient air temperature for operation	-10...45 °C
Ambient air temperature for storage	-25...70 °C
Operating altitude	0...2000 m
Product certifications	EGR[RETURN]ESKOM[RETURN]GOST[RETURN]NMI
Standards	IEC 62052-11 IEC 60950
Width	202.1 Mm
Depth	261.51 Mm
Height	132.2 Mm
Product weight	6 Kg

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.0 Cm
Package 1 Width	53.0 Cm
Package 1 Length	44.0 Cm
Package 1 Weight	7.0 Kg

### Environmental data

Packaging without single use plastic	No
Packaging made with recycled cardboard	No
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No

### Contractual warranty

Warranty	18 months
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Product Life Status : **End of commerc. announced**

M8800A1E0B5E0A0A is replaced by the following product range:



1463

Energy and power quality meter for utility network monitoring

Substitution date: |