

Mr Bill Sanderson
Power Measurement Limited
A company of Schneider Electric
2195 Keating Cross Road
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Canada
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Our Ref: U0101/0012/1
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26th October 2006

Dear Bill Sanderson,

ELECTRICITY ACT 1989

I enclose for your information the approval issued by OFGEM / NWML for the:

ION *7650***0*5*****

ION *7550***0*5*****

The Approval number is No 1025

The meter(s) described above have been given a certification life of 10 years.

Yours sincerely



David Moorhouse
NWML Metering Manager

ELECTRICITY ACT 1989

THE ELECTRICITY (NORTHERN IRELAND) ORDER 1992

APPROVAL OF METERS

David Moorhouse, appointed as a Meter Examiner by the Gas and Electricity Markets Authority, hereby approves for the purpose of paragraph 2 of Schedule 7 to the Electricity Act 1989 and paragraph 3 of Schedule 7 to the Electricity (Northern Ireland) Order 1992 :-

Manufacturer: PowerLogic a company of Schneider Electric
Type of meter: ION *7650***0*5*****
ION *7550***0*5*****
Description of meter: Programmable, Transformer Operated, Credit, Static Electricity Meter
Scope of Approval: See attached annex

for the measurement of electrical energy where that energy is supplied at the reference frequency of 50Hz and at any reference voltage and reference alternating current on any circuit as specified below.

As respects the design and the manner of fixing and connecting any such meter with a service line, any method described in the specifications and drawing deposited by the manufacturer.

Approved in accordance with: EN62052-11: 2003, Electricity metering equipment (AC) – General requirements, tests and test conditions. Part 11: metering equipment.

And EN62053-22: 2003, Electricity metering equipment (AC) – Particular requirements. Part 22: Static meters for active energy (classes 0.2 & 0.5)

Signed:



Meter Examiner
(NWML Metering Manager)

Dated: 26th October 2006

Certificate Number: 1025

ANNEX

SCOPE OF APPROVAL No. 1025

Manufacturer: PowerLogic Limited a company of Schneider Electric

Type of meter: ION *7650***0*5*****

ION *7550***0*5*****

Accuracy Class(es): Active 0.2s (kWh), Reactive 2 (kvarh)

Description of meter: Programmable, Transformer Operated, Credit, Static Electricity Meter

Type of Circuit	Size of Meter (amperes)	Reference Voltage
Three Phase Four Wire	1(5)A or 5(20)A	3 x 57/ 99-347/ 600V

Product Variant Identification Details:

Type Designation	Description of meter
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ION *7650 Advanced meter with wide-range voltage inputs, transient detection, data and waveform recording

- | | |
|----|---|
| A0 | Integrated Display with 5 MB logging memory, front optical port, and 512 samples/cycle |
| A1 | Integrated Display, with 5 MB logging memory and front optical port 1024 samples/cycle |
| B0 | Integrated Display with 10 MB logging memory, front optical port, and 512 samples/cycle |
| B1 | Integrated Display with 10 MB logging memory, front optical port, and 1024 samples/cycle |
| C | Standard (5 Amp nominal, 20 Amp full scale current inputs) 5-20A |
| E | 1 Amp nominal, 10 Amp full scale current inputs 1-10A |
| 0 | Autoranging (57 to 347 VAC) |
| B | Standard (85-240 VAC, 47-63 Hz/110-330 VDC) |
| C | Low voltage DC power supply (20-60 VDC) |
| 5 | Calibrated for 50 Hz systems |
| A0 | Standard Comms: 1 RS232/RS485 port (COM1), 1 RS485 (COM2), Type 2 ANSI optical port (COM4) |
| C1 | Standard plus Ethernet (10BaseT), 33.6k universal internal modem (RJ11) |
| D1 | Standard plus Ethernet (10BaseT, 10BaseFL), 33.6k universal internal modem (RJ11) |
| E0 | Standard plus Ethernet (10BaseT) |
| F0 | Standard plus Ethernet (10BaseT, 10BaseFL) |
| M1 | Standard plus 33.6k universal internal modem (RJ11) |
| A | Standard (8 digital inputs, 3 Form C Relays, 4 Form A solid-state outputs) |
| D | Standard plus Expansion I/O card 8 digital inputs & four 0 to 1 mA analog inputs |
| E | Standard plus Expansion I/O card 8 digital inputs & four 0 to 20 mA analog inputs |
| H | Standard plus Expansion I/O card 8 digital inputs & four -1 to 1 mA analog outputs |
| K | Standard plus Expansion I/O card 8 digital inputs & four 0 to 20mA analog outputs |
| N | Standard plus Expansion I/O card 8 digital inputs & four 0 to 20mA analog inputs & four 0 to 20mA outputs |
| P | Standard plus Expansion I/O card 8 digital inputs & four 0 to 1mA analog inputs & four -1 to 1mA analogue outputs |
| 0 | Password protected, no hardware lock |
| 1 | Password protected and hardware lock enabled |
| C | Tropicalization treatment applied |
| F | EN50160 compliance monitoring and tropicalization treatment applied |

ANNEX

SCOPE OF APPROVAL No. 1025


Product Variant Identification Details:

Type Designation	Description of meter
	ION *7550 Advanced meter with wide-range voltage inputs, sag/ swell detection, data and waveform recording and 256 samples/cycle resolution
A0	Integrated Display with 5 MB logging memory and front optical port
B0	Integrated Display with 10 MB logging memory and front optical port
C	Standard (5 Amp nominal, 20 Amp full scale current inputs) 5-20A
E	1 Amp nominal, 10 Amp full scale current inputs 1-10A
0	Autoranging (57 to 347 VAC)
B	Standard (85-240 VAC, /47-63 Hz/110-330 VDC)
C	Low voltage DC power supply (20-60 VDC)
5	Calibrated for 50 Hz systems
A0	Standard Comms: 1 RS232/RS485 port (COM1), 1 RS485 (COM2), Type 2 ANSI optical port (COM4)
C1	Standard plus Ethernet (10BaseT), 33.6k universal internal modem (RJ11)
D1	Standard plus Ethernet (10BaseT, 10BaseFL), 33.6k universal internal modem (RJ11)
E0	Standard plus Ethernet (10BaseT)
F0	Standard plus Ethernet (10BaseT, 10BaseFL)
M1	Standard plus 33.6k universal internal modem (RJ11)
A	Standard (8 digital inputs, 3 Form C Relays, 4 Form A solid-state outputs)
D	Standard plus Expansion I/O card 8 digital inputs & four 0 to 1 mA analog inputs
E	Standard plus Expansion I/O card 8 digital inputs & four 0 to 20 mA analog inputs
H	Standard plus Expansion I/O card 8 digital inputs & four -1 to 1 mA analog outputs
K	Standard plus Expansion I/O card 8 digital inputs & four 0 to 20mA analog outputs
N	Standard plus Expansion I/O card 8 digital inputs & four 0 to 20mA analog inputs & four 0 to 20mA outputs
P	Standard plus Expansion I/O card 8 digital inputs & four 0 to 1mA analog inputs & four -1 to 1mA analogue outputs
0	Password protected, no hardware lock
1	Password protected and hardware lock enabled
C	Tropicalization treatment applied

Modifications to the meter(s) described according to pattern approval No. 1025 must be notified to the issuing body to confirm the meter(s) continuing compliance to the relevant pattern approval standard(s).

Approval date: 26th October 2006

Annex issue date: 26th October 2006

Signed: 

Meter Examiner
(NWML Metering Manager)