

1.8 Power / Functional test

Apparent power

Range	Resolution	Accuracy
0.00 kVA - 4.00 kVA	0.01 kVA	±(5 % of reading +3 digits)

1.9 Touch leakage current

Range	Resolution	Accuracy
0.00 mA - 2.50 mA	0.01 mA	±(10 % of reading +5 digits)

1.10 Polarity test

Test voltage	<50 V AC
Detects	Pass, L-open, N-open, PE-open, L-N crossed, L-PE crossed, N-PE crossed, L-N shorted, L-PE shorted, N-PE shorted, multiple faults

1.11 Clamp current TRMS current

Range	Resolution	Accuracy*
0.00 mA - 9.99 mA	0.01 mA	±(5 % of reading +10 digits)
10.0 mA - 99.9 mA	0.1 mA	±(5 % of reading +5 digits)
100 mA - 999 mA	1 mA	±(5 % of reading +5 digits)
1.00 A - 9.99 A	0.01 A	±(5 % of reading +5 digits)
10.0 A - 24.9 A	0.1 A	±(5 % of reading +5 digits)

1.12 PRCD testing

Portable RCD trip-out time

Range	Resolution	Accuracy
0 ms - 300 ms (½xIΔN)	1 ms	± 3 ms
0 ms - 300 ms (IΔN)	1 ms	
0 ms - 40 ms (5 x IΔN)	1 ms	

Test currents (IΔN):	10 mA, 15 mA, 30 mA
Test current multipliers:	½xIΔN, IΔN, 5xIΔN
Test modes:	single, autotest

1.13 RCD testing

1.13.1 General data

Nominal residual current (mA):	10, 30, 100, 300, 500, 1000
Test current options:	0.5xIΔN, IΔN, 2xIΔN, 5xIΔN
Test current shape:	Sine-wave (AC), pulsed (A)
RCD type:	G (non-delayed), S (time-delayed)

1.13.2 Contact voltage RCD-Uc

Range	Resolution	Accuracy
0.0 - 19.9 V	0.1 V	(-0 % / +15 %) of reading ± 10 digits
20.0 - 99.9 V		(-0 % / +15 %) of reading

Test current:	max. 0.5xIΔN
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1.13.3 Trip-out time

Range	Resolution	Accuracy
0.0 - 40.0 ms	0.1 ms	±1 ms
0.0 - max. time (ms)	0.1 ms	±3 ms

Test current:	½xIΔN, IΔN, 2xIΔN, 5xIΔN
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1.13.4 Trip-out current

Range	Resolution	Accuracy
0.2xIΔN - 1.1xIΔN (AC type)	0.05xIΔN	±0.1xIΔN
0.2xIΔN - 1.5xIΔN (A type, IΔN >30 mA)	0.05xIΔN	±0.1xIΔN
0.2xIΔN - 2.2xIΔN (A type, IΔN <30 mA)	0.05xIΔN	±0.1xIΔN

1.14 Fault loop impedance

1.14.1 Zs

Fault loop impedance / Prospective fault current

Range (Ω)	Resolution (Ω)	Accuracy
0.00 - 9.99	0.01	±(5 % of reading + 5 digits)
10.0 - 99.9	0.1	
100 - 999	1	±10 % of reading
1.00 k - 9.99 k	10	

Test current (at 230 V):	6.5 A (10 ms)
Nominal voltage range:	30 V - 500 V (45 Hz - 65 Hz)