## Northern Design Electricity Metering & Monitoring

## Clamp-on Current Transformer MODEL US 1000A:1A

## **SPECIFICATION**

±0.5% reading

 $\pm 1\%$  of reading for 10%  $I_n$  to 120%  $I_n$  Less than 1° for 10%  $I_n$  to 120%  $I_n$ 

10' to 30' (12' with 0.1 Ohm burden)

30 Volt rms

640 Volt

1000 Volt

1000 Amp continuous

5 Amp to 1200 Amp

15VA max for Class 1

Class III per IEC1010-1

Isolated Conductor

Better than 1% at 400 Amp

40Hz to 5000Hz Fundamental

4000 Volt 50Hz for 1 minute

Bare Conductor IEC 1010-1 Bare Conductor IEC 414

1200 Amp

1000:1

Phase

Amplitude

1 Amp = 1 mA

Nominal Input Current In Maximum Input Current Measurement Range Output Signal Ratio Typical Accuracy

Maximum Error Amplitude Phase Burden Accuracy at 2000Hz Frequency Range Safety Class Dielectric Strength Max Working Voltage

Jaw aperture

Environmental Operating Conditions Temperature Range Humidity Protection Degree Dimensions Weight Colour Output Diameter 43mm Bus bars 44mm x 12mm or 30mm x 33mm Indoor use at altitudes up to 2000m 0°C to +50°C Maximum 80% RH at 31°C or 40% RH at 50°C IP20 90 x 205 x 40 mm 480 grams Grey 4 mm Safety Sockets

## TYPICAL TEST RESULTS

Current Amps	Amplitude Error	Phase Error
1	-1.0%	+65'
5	-0.3%	+25'
10	+0.05%	+22'
50	+0.4%	+10'
100	+0.4%	+8'
500	+0.7%	+5'
1000	+0.7%	+4'

Measured at 50Hz with a burden of 0.1 Ohm

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Northern Design (Electronics) Ltd, 228 Bolton Road, BRADFORD BD3 0QW, UK Tel: +44 (0) 1274 729 533 Fax: +44 (0) 1274 721 074 E-mail: sales@ndmeter.co.uk