

SPECIFICATION

Nominal Input Current I_n	1000 Amp
Maximum Input Current	1200 Amp continuous 1400 Amp for 30 minutes
Measurement Range	1mA to 1200 Amp
Output Signal	1 Amp at Nominal Input Current I_n
Ratio	1000:1
Accuracy	Between $\pm 0.5\%$ and 1%
Accuracy at 2000Hz	$\pm 1\%$ at 100 Amp
Amplitude Phase	$\pm 1^\circ$
Frequency Range	30Hz to 10,000Hz fundamental
Safety Class	Class III per EN 61010-1
Max Working Voltage	600 Volt Category III per EN 61010-1
Dielectric Strength	5500 Volt 50Hz for 1 minute
Environment	Indoor use only, altitude less than 2000m
Operating Conditions	Indoor use at altitudes up to 2000m
Temperature Range	-10°C to $+50^\circ\text{C}$ (-20°C to $+70^\circ\text{C}$ storage)
Humidity	Max 80% RH at 30°C , reducing to 40% RH at 50°C
Jaw Aperture	54 mm diameter
Dimensions	105 x 225 x 44mm
Weight	650 grams
Standard Colour	Grey
Output	4 mm Safety Sockets Optionally 1 $\frac{1}{2}$ " cable with 4mm safety plugs Other terminations to order
User Protection	Accelerate rear opening (patented)

Accuracy

Accuracy Class	Class 0.5	Class 1	Class 2
Max Burden	5 VA	10 VA	20 VA
Frequency Range	50Hz to 400Hz	45Hz to 1000Hz	30Hz to 5000Hz

Typical Accuracy

Primary Current	Output Error	
	Amplitude % Reading	Phase Degrees
1mA to 10mA	$\pm 3\% \pm 0.02\text{mA}$	
10mA to 100mA	$\pm 3\% \pm 0.2\text{mA}$	
100mA to 10A	$\pm 1.5\%$	3
100A	$\pm 0.8\%$	0.75
1000A	$\pm 0.5\%$	0.5

