



- Non-trip RCD testing method
- Continually validate instruments between calibrations
- Null facility to remove lead resistance
- Six insulation check levels
- Five continuity check levels
- Three loop check levels
- Five checks covering 30mA and 100mA RCD's
- Checks RCD over current test
- Tough, drop proof watertight case
- Calibration documentation included
- Easily portable

### Description

#### Insulation Resistance Checks

The CB400 can be used to check insulation resistance testers across the voltage range. This enables the test instrument to be checked on the 250V, 500V and 1000V settings.

#### Continuity Checks

The instrument to be checked should be set to the most appropriate scale and the continuity test carried out at each of the check points on the CB400.

#### Earth Fault Loop Impedance Checks

The CB400 provides test of 'local' earth loop impedance, 'local' earth fault loop impedance with an additional 1Ω included and local earth fault loop impedance with an additional 100Ω included.

#### Residual Current Device (RCD) Checks

The CB400 provides a facility to check the accuracy of residual current device test instruments relative to the testing of 30mA and 100mA RCD's, the most common types used for additional protection.

### Specification

Test	Check value	Accuracy	Rating
Insulation	0.25MΩ	1%	Up to 1000V
	0.5MΩ	1%	Up to 1000V
	1.0MΩ	1%	Up to 1000V
	2.0MΩ	1%	Up to 1000V
	10.MΩ	1%	Up to 1000V
	200MΩ	2%	Up to 1000V
Over Voltage (3 bands)	250V @ 0.25MΩ	N/A	N/A
	500V @ 0.5MΩ	N/A	N/A
	1000V @ 1.0MΩ	N/A	N/A
Continuity	Null	1% ±20 mΩ	Current 1A
	0.5Ω	1% ±20 mΩ	Current 1A
	1.0Ω	1% ±20 mΩ	Current 1A
	2.0Ω	1% ±20 mΩ	Current 1A
	100Ω	1%	Current 250mA
	2000Ω	1%	Current 250mA
Loop	Local	N/A	Current rating
	Additional 1Ω	1% ±20mΩ	25A (pulsed)
	Additional 100Ω	1%	10ms pulses
RCD	30mA (x1)	5%	30mA AC type
	30mA (x5)	5%	30mA AC type

### Specification continued

Test	Check value	Accuracy	Rating
RCD	30mA (x1/2)	5%	30mA AC type
	100mA (x1)	5%	100mA AC type
	100mA (x1/2)	5%	100mA AC type and ACS type
Current Break Time	38ms ± 1ms	N/A	N/A
LED for Current Accuracy	>200mA @ 2Ω	1%	N/A
Case Size	328 x 230 x 125mm		
Safety	Complies with IEC EN 61010		
Weight	2.42kg		