



Datasheet



0370 330 6021
www.sunbeltrentals.co.uk

***Detect and locate insulation faults
without shutting down the installation!***

B 102

Leakage current clamp



Conductors up to 112 mm in diameter!

- Very high sensitivity
- Differential or leakage current, from 500 μ A
- Current up to 400 A max
- 2 measurement ranges: 4 AAC / 400 AAC

The B102 current clamp is designed to measure low AC current values. It is especially well suited to detecting, locating, and measuring leakage currents in low-voltage electrical installations.

Uninsulated IT installation



Rugged and very simple to use, the B102 multiple-range current clamp with voltage output can be adapted to any type of multimeter or recorder. It makes preventive measurements, to detect insulation faults. It is a perfect tool for ensuring the conformity of electrical installations to the NF-C 15 100 and CEI 60304 standards. The measurements can

be made on any type of installation: single-phase, 3- or 4-wire three-phase, balanced or not, with the neutral grounded earth or impendant. In the case of an isolated neutral, 3-wire installation, the measurement can still be made, by creating a temporary artificial neutral using three identical resistors connected between phase and ground.

Characteristics

Rating	Measurement range	Accuracy	Phase shift	Bandwidth
4 A (1 mV~ / mA~)	0,5 mA to 10 mA	3 % + 1 mV	-	48 Hz to 1000 Hz
	10 mA to 100 mA 0,1 A to 4 A	0,5 % + 0,5 mV	< 15° < 10°	
400 A (1 mV~ / A~)	0,5 A to 10 A	0,5 % + 0,5 mV	-	
	10 A to 100 A	0,35 % + 0,5 mV	< 1°	
	100 A to 400 A	0,35 % + 1 mV	< 0,6°	

- Impedance of the associated measurement apparatus: $\geq 10\text{ M}\Omega$ and $\leq 100\text{ pF}$
- Dielectric test:
2 kVAC (CEI 414 class 1)
- Environmental conditions for use:
-10°C to + 55°C / 0 to 85 % HR
- Environmental conditions for storage:
-40°C to + 70°C / 0 to 85 % HR
- Output: 1.5 m cord with double insulation having male safety plugs 4mm in dia.
- Conductor diameters up to: 112 mm
- Dimensions : 28,5 x 17,5 x 4,5 cm
- Mass : 1,3 Kg

To order

B102 current clamp	P01.1200.83
Carrying bag	P01.2980.45
Artificial neutral box	P01.1972.01



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