VOLTCRAFT

VOLTCRAFT - TOP PERFORMANCE IN EVERY WAY

For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

VC-515

AC/DC CLAMP ADAPTER 1500V 1000A

CE

Item no: 3521175

Clamp adapter that connects to a compatible digital multimeter to measure current in suitable conductors.



TECHNICAL DATA

Jaw opening	35 mm
Conductor diameter	max. 35 mm
Power supply	2 × 1.5 V AAA batteries
Battery life	15 hours (typical)
Overload protection	1000 A
Max. permissible frequency	400 Hz
Frequency response (ACA)	45 - 400 Hz
Safety	EN/IEC 61010-1: CAT IV 600V/ CAT III 1500V; Pollution degree: 2a; EN/IEC 61010-2-031; EN/IEC 61010-2-032
Operating altitude	≤2000 m
Operating temperature	0 to +40 °C
Storage temperature	-10 to +50 °C
Relative humidity	≤75 % (0 to +30 °C) ≤50 % (+30 to +40 °C)
Dimensions (W x H x D)	73.5 × 255.7 × 46.5 mm
Cable length	1.1 m
Weight	425 g

Accuracy specifications

Positioning error: ±2.5% of the reading if the conductor is not placed at the center of the clamp jaws.

Temperature condition of accuracy: For +18 to +28 °C with ambient fluctuation within ±1 °C, specified accuracy applies. At temperatures <18 °C or >28 °C, add a temperature coefficient error of 0.1 × (specified accuracy) per °C.

Electromagnetic compatibility (EMC)

In the RF field of 1 V/m: total accuracy = specified accuracy + 5% of the range. No specified index for the RF field above 1 V/m.

Conditions:

Ambient temperature: 23 °C ± 5 °C

Accuracy: ± (a% reading + b digits) (one year warranty)

Relative humidity: ≤ 75 %

DC current

Range	Resolution	Output ratio	Accuracy
100.0 A	0.1 A	10 mV/A	±(1.5% + 0.5 A)
1000 A	1 A	1 mV/A	±(2.0% + 0.5 A)

Input impedance: >1 MΩ, ≤100 pF

Overload protection: 1000 A

Current range: 1 - 1000 A

Accuracy guarantee range: 5 - 100 % of range

Positioning error: ±2.5% of the reading if conductor is not placed at the center of the clamp jaws

Influence of adjacent conductors: <6mA (variable affected per A)

AC current

Range	Resolution	Output ratio	Accuracy (45 Hz to 200 Hz)	Accuracy (200 Hz to 400 Hz)
100.0 A	0.1 A	10 mV/A	± (1.5 % + 0.5 A)	± (2.0 % + 0.5 A)
1000 A	1 A	1 mV/A	± (2.0 % + 0.5 A)	± (2.5 % + 0.5 A)

Input impedance: >1 MΩ, ≤100 pF

Overload protection: 1000 A

AC sinusoidal wave

Current range: 1 - 1000 A

Guaranteed accuracy range: 5 - 100 % of range

For testing at a frequency of ≥300 Hz, 10 counts are added to the accuracy of the specification

Positioning error: ±2.5% of the reading if conductor is not placed at the center of the clamp jaws.

Influence of adjacent conductors: <6mA (variable affected per A)

CONTENTS

Product // 2x AAA batteries // Carrying pouch // Operating instructions

This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method (e.g. photocopying, microfilming or the capture in electronic data processing systems) requires prior written approval from the editor. Reprinting, also in part, is prohibited. This publication reflects the technical status at the time of printing.

Copyright by Conrad Electronic SE.

*3521175_V1_0126_en_ds 9007201933065867 I2/O1 en