

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.

VC321

100A AC MINI CLAMP METER

CE

Item no: 2893196

The product is a clamp meter and can be used to measure and display various electrical parameters.

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Product // 2 x 1.5 V AAA batteries // Operating instructions

TECHNICAL DATA

General

Power supply	2x AAA 1.5 V batteries
Measuring categories	CAT II (600 V) CAT III (300 V)
Current measurement (AC)	max. 100 A~
Non-contact voltage test	100 - 600 V/AC, ≤5 mm
Display	2000 counts (2 – 3 renewals/sec.)
Clamp opening range	13 mm
Automatic shut-off	approx. 15 mins
Display type	EBTN colour
Pollution degree	2
Operating altitude	max. 2000 m (above sea level)
Operating temperature	0 to +40 °C
Operating humidity	<75 % RH (0 to +30 °C) <50 % RH (+30 to +40 °C)



Storage temperature	-10 to +50 °C
Storage humidity	<75 % RH (0 to +30 °C) <50 % RH (+30 to +40 °C)
Dimensions (W x H x D)	181 x 60 x 36 mm
Weight	approx. 195 g

Specifications

Accuracy

Specified accuracy \pm (% of the reading + display error in counts). //
Accuracy is maintained for 1 year at +23 °C (\pm 5 °C), \leq 75 % RH (non-condensing).

Calibration

The recommended calibration interval is 1 year. //
⚠ Calibration should only be performed by qualified personnel.

Alternating current

Measuring range (AC)	Resolution	Accuracy
2.000 A~	1 mA	$\pm(4 \% + 30)$
20.00 A~	10 mA	$\pm(3 \% + 10)$
100.0 A~	100 mA	$\pm(2 \% + 8)$

Overload protection: 100.0 A ; Frequency range: 50-60 Hz ; TrueRMS

Crest factor (CF) non-sinusoidal waveforms:
Crest factor 1 – 2 : +3 % deviation // Crest factor 2 – 2.5 : +5 % deviation //
Crest factor 2.5 – 3 : +7 % deviation