



VOLTCRAFT®

VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

“For more than 25 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.”

VC155

DIGITAL MULTIMETER

Nº 124456

CE

VERSION 09/14

Robust digital multimeter featuring professional-class specifications and manual range selection. The VC100 series is designed to cover all DIY measurement tasks. Professional jobs up to 600 V can be carried out, too.

HIGHLIGHTS

CAT III 600 V //

Diode test //

Acoustic continuity tester //

Contactless AC voltage tester //

Hold function //

Low-battery indicator //

Rugged enclosure with soft rubber cover /



TECHNICAL DATA

Operating voltage	9 V block battery
Display	2000 count
Measuring frequency	approx. 2-3 measuring operations/second
Measuring lead length	approx. 75 cm
Measuring impedance	>10M Ω (V range)
Operation temperature	0 to +40 °C
Operation humidity	≤75 % (for 0 to +30 °C), ≤50 % (for +30 to +40 °C)
Operating altitude	max. 2000 m
Storage temperature	-10 to +50 °C
Dimensions (W x H x D)	75 x 150 x 38 mm
Weight	approx. 200 g

DC voltage

Range	Accuracy	Resolution
200 mV	±(0.5 % reading +8 digits)	0.1 mV
2000 mV		1 mV
20 V		0.01 V
200 V		0.1 V
600 V	±(0.8% reading +8 digits)	1 V
Overload protection: 600 V Input impedance: approx. 10 M Ω		

AC voltage

Range	Accuracy	Resolution
200 V	±(1.6% reading +4 digits)	0.1 V
600 V		1 V
Overload protection: 600 V Input impedance: approx. 4.5 M Ω Frequency response: 45 – 400 Hz Display: Sine wave valid value (average value response)		

DC current

Range	Accuracy	Resolution
2000 μ A	±(1.3 % reading +3 digits)	1 μ A
20 mA		0.01 mA
200 mA	±(1.5 % reading +8 digits)	0.1 mA
10A	±(2.6 % reading +7 digits)	0.01A
Overload protection: m μ A range: F1 fuse 6 x 32 mm F 0.2 A H 600 V (CE) Item no.: 433005 10A range: F2 fuse 6 x 25 mm F 10 A H 600 V (CE) Item no.: 700161 Measuring operations of >5 A may only be performed for at most 10 seconds with a subsequent measuring pause of 15 minutes.		

Resistance

Range	Accuracy	Resolution
200.0 Ω	$\pm(1.0\% \text{ reading} + 10 \text{ digits})$	0.1 Ω
2000 Ω		1 Ω
20.00 k Ω		0.01 k Ω
200.0 k Ω		0.1 k Ω
20 M Ω	$\pm(1.3\% \text{ reading} + 7 \text{ digits})$	0.01 M Ω
Overload protection: 600 V		

Temperature

Range	Measurement range	Accuracy	Resolution
-40 to +1000 $^{\circ}\text{C}$	-40 to 0 $^{\circ}\text{C}$	$\pm(1.0\% \text{ reading} + 10 \text{ digits})$	1 $^{\circ}\text{C}$
	>0 to +100 $^{\circ}\text{C}$	$\pm(3.3\% \text{ reading} + 4 \text{ digits})$	
	>+100 to +1000 $^{\circ}\text{C}$	$\pm(3.9\% \text{ reading} + 4 \text{ digits})$	
Overload protection: 600 V			

PACKAGE CONTENT

Digital multimeter // Measuring leads // K-type thermo sensor // Operating instructions

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