



VOLTCRAFT®

VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

“Since 1982, 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 12/21

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

This data sheet is published 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. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This data sheet represents the technical status at the time of printing.