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“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.”

VC170 DIGITAL MULTIMETER

Nº 12 44 03

CE

VERSION 12/21

Sturdy starting device with manual selection of measurement range. This multimeter is prepared for all measurement tasks in the household and hobby areas. Even professional tasks can be done up to 250 V.

HIGHLIGHTS

Standard measurement ranges
V/DC, V/AC, A/DC, A/AC //

Resistance //

Diode test //

State of rechargeable battery //

Continuity checker //

Contactless AC voltage checker //

hFE-transistor test (with optional adapter) //

Frequency measurement and duty cycle //

Hold function //

Low battery display //

Sturdy housing with soft rubber protection //



GENERAL SPECIFICATIONS

DISPLAY: 4000 counts **BASIC ACCURACY:** $\pm 0.6\%$ **VOLTAGE SUPPLY:** 9 V block battery **OVERVOLTAGE CATEGORY:** CAT III 250 V **WEIGHT:** 200 g **DIMENSIONS (W x H x D):** 72 x 137 x 35 mm

TECHNICAL DATA

Functions	Range	Resolution	Accuracy $\pm(a\% \text{ reading} + b \text{ digits})$	Overload protection	Remarks
DCV	400 mV	0.1 mV	$\pm(0.9\% + 3)$	250 V	---
	4,000 mV	1 mV	$\pm(0.9\% + 1)$		
	40 V	0.01 V			
	250 V	0.1 V			
ACV	400 mV	0.1 mV	$\pm(1.7\% + 6)$	250 V	Frequency range: 40 - 400 Hz
	4,000 mV	1 mV	$\pm(1.3\% + 3)$		
	40 V	0.01 V			
	250 V	0.1 V			
DCA	400 μ A	0.1 μ A	$\pm(1.1\% + 2)$	1 A / 250 V + 10 A / 250 V	---
	4,000 μ A	1 μ A	$\pm(1.3\% + 2)$		
	40 mA	0.01 mA			
	400 mA	0.1 mA	$\pm(1.7\% + 6)$		
	4 A	0.001 A			
	10 A	0.01 A			
ACA	400 μ A	0.1 μ A	$\pm(1.3\% + 6)$	1 A / 250 V + 10 A / 250 V	---
	4,000 μ A	1 μ A	$\pm(1.7\% + 3)$		
	40 mA	0.01 mA			
	400 mA	0.1 mA	$\pm(2.2\% + 3)$		
	4 A	0.001 A			
	10 A	0.01 A			
Ω	400 Ω	0.1 Ω	$\pm(1.3\% + 2)$	250 V	Test voltage: approx. 0.5 V
	4000 Ω	1 Ω	$\pm(1.1\% + 2)$		
	40 k Ω	0.01 k Ω			
	400 k Ω	0.1 k Ω	$\pm(1.3\% + 2)$		
	4 M Ω	0.001 M Ω			
	40 M Ω	0.01 M Ω			
Frequency	10 Hz - 10 MHz (max. 10 V _{rms})	0.01 Hz - 0.01 MHz	$\pm(0.6\% + 3)$	250 V	Sensitivity: < 100 kHz = 300 mV > 100 kHz = 600 mV
Duty cycle	0.1 - 99.9 %	0.1 %	---	250 V	---

Acoustic continuity tester:	<10 Ω Permanent sound
Diode test test voltage:	U _o 3.0 V
Diode overload protection/continuity tester:	250 V
Transistor test "hFE":	0 - 1000 β , test voltage V _{ce} 3 V, test current I _{bo} 10 μ A
NCV voltage test:	230 V/AC

PACKAGE CONTENT

Digital multimeter // Safety measuring cables // Battery // Operating instructions

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