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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.”

SMD-200

RCV MEASUREMENT DEVICE

CE

VERSION 12/21

№ 12 30 07

The tweezers adapter allows small SMD components to be held and measured at the same time. The measurement unit lies perfectly in the hand and always allows a view of the display. The device runs on two button-cell batteries (LR44 type) and is suitable for use in laboratories and testing stations.

HIGHLIGHTS

With tweezers and measurement line adapters //

For condensers and resistors //

DC/AC voltage measurement //

Resistance measurement //

Capacitance measurement //

Diode test //

Continuity measurement //

GENERAL SPECIFICATIONS

DISPLAY: LCD, 6000 counts **BASIC ACCURACY:** ± 0.8 % **VOLTAGE SUPPLY:** 2 x LR44 batteries **WEIGHT:** 110 g **DIMENSIONS (W x H x D):** 37 x 23 x 184 mm

TECHNICAL DATA

General information

Max. measurement rate:	2 measurements per sec.
Safety class:	II (double insulation)
Max. voltage in measuring circuit and against ground potential:	600 V DC/AC RMS
Max. input current:	2.5 A
Operating temperature:	-10 °C to +50 °C (14 °F to 122 °F) < 70 % rel. humidity
Temperature for guaranteed accuracy:	23 °C ± 5 °C < 70 % rel. humidity
Storage temperature:	-30 °C to +60 °C (-4 °F to +140 °F) < 80 % rel. humidity

Measurement tolerances

Statement of accuracy in ± (% of reading (= reading = rdg) + display error in digits (= dgt = no. of the smallest points)). The accuracy is valid for one (1) year at a temperature of +23 °C ± 5 °C, and at a relative humidity of less than 70 %, non-condensing.

Function	Range	Resolution	Accuracy	Miscellaneous
V/DC (direct current)	600.0 mV	0.1 mV	± (0.8 % + 2 dgt)	Input impedance: 10 MΩ max. input: 600 V/DC or 600 V/AC, RMS
	6.000 V	1 mV		
	60.00 V	10 mV		
	600.0 V	100 mV	± (1.0 % + 4 dgt)	
V/AC (alternating current)	600.0 mV	0.1 mV	± (1.0 % + 4 dgt)	Input impedance: 10 MΩ max. input: 600 V/DC or 600 V/AC RMS, 50/60 Hz
	6.000 V	1 mV		
	60.00 V	10 mV		
	600.0 V	100 mV	± (1.2 % + 6 dgt)	
Ω (resistance in ohm)	600.0 Ω	0.1 Ω	± (0.8 % + 8 dgt)	---
	6.000 kΩ	1 Ω	± (1.5 % + 8 dgt)	
	60.00 kΩ	10 Ω		
	600.0 kΩ	100 Ω		
	6.000 MΩ	1 kΩ	± (2.5 % + 8 dgt)	
	60.00 MΩ	10 kΩ		
Capacitance (in Farad)	6.000 nF	1 pF	± (5.0 % + 50 dgt)	---
	60.00 nF	10 pF	± (5.0 % + 7 dgt)	
	600.0 nF	0.1 nF	± (3.0 % + 5 dgt)	
	6.000 µF	1 nF		
	60.00 µF	10 nF		
	600.0 µF	0.1 µF		
	6.000 mF	0.001 mF	± (10 % + 10 dgt)	
	60.00 mF	10.00 mF		

Diode test

Test current:	1 mA
Test voltage:	max. 3 V/DC
Resolution:	1 mV
Accuracy:	± (10 % + 5 dgt)

Continuity

Test current:	max. 1.5 mA
Acoustic continuity:	< 30 Ω

PACKAGE CONTENT

Measurement device // Tweezers adapter // Measurement lines adapter // Protective cap // 2 batteries (LR44) // Operating instructions

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