



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.”

VC-86

MULTIMETER PENTYPE

Nº 121512

CE

VERSION 12/21

The rugged Multimeter Pentype offers you all important measurement ranges. The pen form allows the measured values to be read off while the measurement can be carried out with both hands. The measured impedance can be reduced to suppress phantom voltage values briefly.

HIGHLIGHTS

CAT III 250 V //

Easy “single-hand use” //

Impact-proof //

Automatic range selection //

Auto-Power-Off //

Data Hold //

Low-Batt-indicator //

Diode test //

Audible continuity checker //

Input impedance reversible //



TECHNICAL DATA

Display reading	3400 counts
Input resistance	approx. 10MΩ
Batteries	2x 1.5 V button cells LR44 / AG13
Current consumption	approx. 2 mA
Operating period	approx. 80 h
Working temperature	0°C to 40°C
Storage temperature	-10°C to 50°C
Rel. humidity	< 75% (non-condensing) from 0 to 30°C
Working height	up to a max. of 2 000 m through NN
Temp. for gar. accuracy	+18°C to +28°C
Weight incl. battery	approx. 140 g
Dimensions (LxWxH)	230 mm x 35 mm x 20 mm

Measurement tolerances

Statement of accuracy in \pm (% of reading + display error in digits (= dgt = no. of the smallest points)). The accuracy is valid for 1 year at a temperature of +23°C \pm 5°C, and at a relative humidity of less than 75 %, non-condensing.

Type of operation DC Volt

Range	Accuracy	Resolution
400,0 mV	\pm (1,0% + 4 dgt)	0,1m V
4,000 V	\pm (1,3% + 3 dgt)	0,001 V
40,00 V	\pm (1,3% + 3 dgt)	0,01 V
250 V	\pm (1,3% + 3 dgt)	0,1 V
Overload protection 250 V; input resistance: 10 MΩ		

Type of operation AC Volt (40Hz to 400Hz)

Range	Accuracy	Resolution
4,000 V	\pm (1,8% + 4 dgt)	0,001V
40,00 V	\pm (1,8% + 4 dgt)	0,01V
250 V	\pm (1,8% + 4 dgt)	0,1V
"Overload protection 250 V; input resistance: 10 MΩ"		

Type of operation DC A

Range	Accuracy	Resolution
40,00 mA	\pm (2,0% + 2 dgt)	0,01 mA
400,0 mA	\pm (1,5% + 2 dgt)	0,1 mA
Overload protection 400mA 250 V fast blow fuse		

Type of operation AC A

Range	Accuracy	Resolution
40,00 mA	\pm (2,2% + 3 dgt)	0,01 mA
400,0 mA	\pm (2,5% + 3 dgt)	0,1 mA
Overload protection 400mA 250 V fast blow fuse		

Type of operation Resistance

Range	Accuracy	Resolution
400,0 Ω	$\pm (1,2\% + 12 \text{ dgt})$	0,1 Ω
4,000 k Ω	$\pm (2,0\% + 5 \text{ dgt})$	0,001 k Ω
40,00 k Ω	$\pm (2,0\% + 5 \text{ dgt})$	0,01 k Ω
400,0 k Ω	$\pm (2,0\% + 5 \text{ dgt})$	0,1 k Ω
4,000 M Ω	$\pm (3,0\% + 2 \text{ dgt})$	0,001 M Ω
40,00 M Ω	$\pm (5,0\% + 2 \text{ dgt})$	0,01 M Ω
Overload protection 500 V		
Continuity tester: acoustic signal for resistances $< 35 \Omega$		
"Diode test: Testing voltage max. 3,4V; Display ""OL"" $> 2 \text{ V}$ "		

PACKAGE CONTENT

Multimeter Pentype // 4 batteries (type LR44) // Keeping bag // Spare test prod 70 mm // Alligator clip // 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.