

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-460 E DIGITAL MULTIMETER

CE

VERSION 12/21

N° 1500208

The professional digital multimeter VC-460 E is created to be extremely shock-resistant, dust-tight, and protected against water jets, making it ideal for all demanding measurement tasks. The robust device itself withstands against a fall from a height of 2 metres. With the True RMS measurement and the 6000-count display, precise measurement values are determined. A special low-impedance measurement range is integrated for suppressing stray or phantom voltages.

FEATURES:

CAT III 1000 V/CAT IV 600 V // True RMS // 3-phase test for direction // Switchable low-pass filter (LPF) // Heavy duty device protection (IP65, dust-proof and protected against water jets) //

EQUIPMENT:

Standard measurement functions: V-AC/DC, V-AC+DC, LoZ-V/AC, A-AC/DC, resistance, diode test, capacity, frequency, duty cycle in %, acoustic continuity test // peak value acquisition // Data hold // Relative measurement function // Max/Min storage // Auto range/manual range // Automatic disconnection, can be deactivated // Battery change display // Bar display // Automatic display illumination, can be deactivated // Integrated LED lights // Low-pass filter for precise measurement of variable frequency actuator signals (VFC) // 3-phase test for direction // V-AC+DC mixed voltage display //

TECHNICAL DATA:

Display:	6000 Counts
Measurement type:	True RMS
Voltage measurement:	AC/DC
Measurement range V/DC:	0.1 mV - 1000 V
Measurement range V/AC:	0.1 mV - 750 V
Base accuracy:	±0.7 %
Frequency range:	40 Hz - 5 kHz
DC/AC internal resistance:	10 MΩ
Current measurement:	AC/DC
Measurement range A/DC / A/AC:	0.1 μA - 10 A (20 A)
Measurement range Resistance:	0.1 Ω - 60 MΩ



Measurement range Frequency electronic:	60 Hz - 40 MHz (max. 30 Vrms)
Measurement range Frequency electric:	40 Hz - 5 kHz (Sensitivity 200 mVrms)
Duty cycle:	0.1 - 99.9% (<10 kHz)
Measurement range Capacity:	0.001 nF - 60 mF
Measurement category:	CAT III 1000 V, CAT IV 600 V
Degree of contamination	2
Safety in accordance with	EN61010-1
Protection type	IP65 (Dust-tight, and protected against water jets))
Supply voltage:	9 V block
Product dimensions (L x W x H):	195 x 95 x 58 mm
Weight:	approx. 473 g

PACKAGE CONTENTS:

Digital multimeter // 2x CAT IV Safety measuring lines // 9 V Block battery // Safety instructions // Operating instructions (on CD) //

Legal notice

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 represent the technical status at the time of printing. © Copyright 2022 by Conrad Electronic SE

1500208_V4_1221_01_PIX_ds