

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.”

VC281 TRMS DIGITAL-MULTIMETER



VERSION 12/21

N° 1647183

The VC281 TRMS professional digital multimeter is shockproof and therefore ideal for all measuring tasks. The true RMS measurement and 6000 count display, ensure accurate readings. A special low-impedance function for suppressing stray or phantom voltages is integrated. The AC/DC clamp meter allows for the non-contact AC/DC current measurement without breaking the circuit.

FEATURES:

CAT III 600 V // True RMS // Automatic measuring range switchover (Autorange) // Self-resetting PTC fuse in mA/μA range // Non-contact AC/DC current measurement up to 60 A with the AC/DC clamp meter CLA60

EQUIPMENT:

Standard measurement functions: V-AC/DC, LoZ-V-AC/DC, A-AC/DC, resistance, diode test, capacitance, frequency, acoustic continuity test // Data-hold // Relative measurement function // Automatic switch-off, battery change indicator which can be deactivated // Measurement indicator for correct test connection // Visual and acoustic alarm in case of incorrect test socket choice and exceeding measuring range switchover // Mechanical test socket lock with opened housing //

TECHNICAL DATA:

Display	6000 counts
Measurement type	True RMS
Voltage measurement	AC/DC
Measurement range V/DC	0.1 mV - 600 V
Measurement range V/AC	0.1 mV - 600 V
Basic accuracy	±0.9 %
AC frequency range	45 Hz - 400 Hz
DC/AC internal resistance	10 MΩ
Current measurement	AC/DC
Contact measuring range mA μA/DC, A/AC	0.1 μA - 600 mA
Non-contact measuring range A/DC, A/AC	0.6 A - 60 A (with CLA60)
Jaw opening range	25 mm
Max. conductor diameter	20 mm
Electronic measuring range frequency	10 Hz - 10 MHz (max. 30 Vrms)



Measuring range capacity	0.001 nF - 60 mF
Measurement category	CAT III 600 V
Pollution degree	2
Safety as per	EN61010-1
Voltage supply	1x 9 V block, 2x micro batteries (AAA)
Product dimension (L x W x H)	185 x 91 x 43 mm (DMM), 195 x 50 x 29 mm (CLA60)
Weight	approx. 380 g (DMM), approx. 194 g (CLA60),

PACKAGE CONTENTS:

Digital multimeter // AC/DC clamp meter CLA60 // 2x safety test leads with CAT III protective caps // 1x 9 V block battery // 2x micro batteries (AAA) // Safety instructions // Operating instructions (on CD) //

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