

## DMM 310 TRMS DIGITAL MULTIMETER WITH CASE

Article number: 111491

DMM 310 TRMS, digital multimeter with automatic measuring range selection and TRUE RMS measurement. Voltage measurement up to 1000 V AC/DC, current measurement up to 10 A AC/DC. Measurement of resistance, frequency, capacitance, temperature. With data hold, NCV and display illumination. CAT IV 600 V, CAT III 1000 V. Including 2 batteries 1.5 V / AAA, 2 test leads, 1 temperature wire probe. Bag included.



Length (mm)	165 mm
Width (mm)	80 mm
Height (mm)	55 mm
Weight (kg)	0,39 kg

Attribute	Value
Display	digital
Linear scale division	Yes
Logarithmic scale division	No
Multiple display	No
With screen backlighting	Yes
Max. Voltage measuring range AC	1000 V
Max. Voltage measuring range DC	1000 V
Max. voltage measuring range, AC/DC	1000 V
Max. Current measuring range AC	10 A
Lowest resolution alternating current	0,1 $\mu$ A
Max. DC current measuring range	10 A
Max. current measuring range, AC/DC	10 A
Measuring range selection	manuell/automatisch
Lowest resolution AC voltage	0,1 mV
Lowest resolution DC voltage	0,1 mV
Lowest resolution voltage, AC/DC	0,1 mV
Lowest resolution direct current	0,1 $\mu$ A
Lowest resolution current, AC/DC	0,1 $\mu$ A
Max. resistance measuring range	60 MOhm
Milliohm measurement with 4-wire technology (Kelvin connection)	No
Lowest resolution resistance	0,01 Ohm
Temperature measurement RTD	No

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Temperature measurement	Yes
Temperature measurement TC	No
Max. Temperature measuring range	1350 °C
Lowest resolution temperature	0,1 °C
Capacitance measurement	Yes
Max. capacitance measuring range	60000 µF
Lowest resolution capacity	0,00001 µF
Frequency measurement	Yes
Max. Frequency measuring range	60000 kHz
Lowest resolution Frequency	0,001 Hz
Continuity test/diode test	Yes
Measuring principle	Echteffektivwertmessung
Relative measurement accuracy	1 %
Nominal test voltage 10 V	No
Nominal test voltage 50 V	No
Nominal test voltage 100 V	No
Nominal test voltage 250 V	No
Nominal test voltage 500 V	No
Nominal test voltage 1000 V	No
Cable length measurement	No
Line symmetry test for two-wire connections a-b-E	No
Power and energy measurement	No
Harmonic analysis/power quality	No
With level measurement (dB)	No
Relative value measurement	Yes
Inductance measurement	No
Conductivity measurement	No
Continuity test	Yes
Instantaneous value memory (data hold)	Yes
Maximum value memory	Yes
Minimum value memory	Yes
Peak value memory	No
High voltage test for motor windings	No
True RMS value measurement (TRMS)	Yes
Duty cycle measurements	No
Speed measurement	No
Interface	No
Measured value memory	Yes
Bluetooth interface	No

IR interface	No
Circuit breaker	No
Measuring circuit category	CAT IV
Max. Voltage Measuring circuit category	600 V
Power supply	Batterie
Explosion-tested version	No
Protection class (IP)	IP40
Calibration according to ISO/IEC 17025	No
Calibration certificate according to DAkkS	No
Certified according to COFRAC	No
Max. Current measuring range with clip factor	- A

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