

INTRODUCTION

The Metravi DT-225 Digital TRMS AC Clamp Meter is a multifunction, ergonomically-designed, battery-operated, robust and reliable device which is made of good quality material and will last long.

Used for measuring AC/DC Voltage, AC Current, Resistance, Capacitance, Frequency, NCV detection, Continuity and Diode Test. Features a built-in LED Flashlight and HD display along with Data Hold function, Auto power-off and alarm functions.

GENERAL SPECIFICATIONS

- Sampling Rate: about 3 times/second
- Display: 2000 counts Backlit LCD
- Over-range indication
- Low Battery indication
- Input Polarity Indication
- Built-in Flashlight
- Auto Power-off
- Max / Min record facility
- Non-contact Voltage Detector (NCV)
- Live Wire detection
- Jaw dia: 26mm
- Confirms to EN61010-1,-2-030; EN61010-2-033; EN61326-1, CAT-III 600V.



TECHNICAL SPECIFICATIONS

The accuracy applies within one year after the calibration. Reference condition: the environment temperature 18°C to 28°C, the relative humidity is no more than 80%, accuracy: ±(% reading + digit).

DC VOLTAGE

Range	Resolution	Accuracy
2V	0.001V	± (0.5%reading+5 word)
20V	0.01V	
200V	0.1V	
600V	1V	

Input impedance : 1 0MΩ; Overload protection: 600V; Maximum input voltage: 600V;

AC VOLTAGE (T-RMS)

Range	Resolution	Accuracy
2V	0.001V	± (1.0%reading+5 word)
20V	0.01V	
200V	0.1V	
600V	1V	

Input impedance : 1 0MΩ; Overload protection: 600V; Maximum input voltage: 600V; Frequency range: 40Hz ~ 1KHz (True RMS)


*Technical Specifications & Appearance are subject to change without prior notice

AC CURRENT (T-RMS)


Range	Resolution	Accuracy
2A	0.001A	50~60Hz: ±(2.5% reading +5 word) Other: ±(3.0% reading +10 word)
20A	0.01A	
200A	0.1A	
400A	1A	

Frequency range: 40Hz ~ 400Hz (True RMS)

CONTINUITY

	<approx. 50Ω, the buzzer sounds.	Test Voltage Approx. 1V; Overload protection : 250V
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DIODE

	It displays the approximate forward voltage value of the diode	Reverse DC voltage is about 3V; Overload protection:250V
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CAPACITANCE

Range	Resolution	Accuracy
2nF	0.001nF	±(4.0%reading +5 word) ; Overload protection: 250V
20nF	0.01nF	
200nF	0.1nF	
2μF	0.001μF	
20μF	0.01μF	
200μF	0.1μF	
2mF	0.001mF	

RESISTANCE

Range	Resolution	Accuracy
200Ω	0.1Ω	±(1.0%reading +5 word); Overload protection: 250V
2kΩ	0.001kΩ	
20kΩ	0.01kΩ	
200kΩ	0.1kΩ	
2MΩ	0.001MΩ	
20MΩ	0.01MΩ	



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