

## **DIGITAL TRMS AC CLAMP METER**

DT-225

### 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	
20V	0.01V	. (0.50/ 11 . 5 1)
200V	0.1V	± (0.5%reading+5 word)
600V	1V	

Input impedance : 1  $0M\Omega$ ; Overload protection: 600V; Maximum input voltage: 600V;

## **AC VOLTAGE (T-RMS)**

Range	Resolution	Accuracy
2V	0.001V	
20V	0.01V	± (1.0%reading+5 word)
200V	0.1V	± (1.070rcading 13 word)
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



# **DIGITAL TRMS AC CLAMP METER**

**DT-225** 2024 MODEL

## **AC CURRENT (T-RMS)**

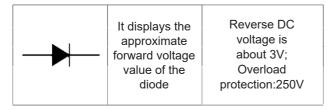
Range	Resolution	Accuracy
2A	0.001A	50~60Hz: ±(2.5%
20A	0.01A	reading +5 word)
200A	0.1A	Other: ±(3.0% reading +10 word)
400A	1A	reading 110 word)

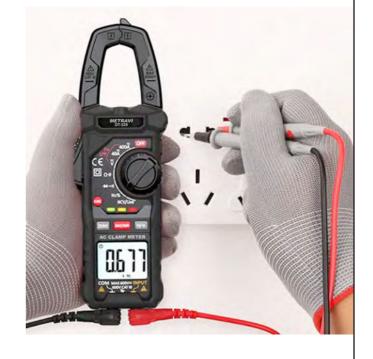
Frequency range: 40Hz ~ 400Hz (True RMS)

## **CONTINUITY**

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### DIODE





## **CAPACITANCE**

Range	Resolution	Accuracy
2nF	0.001nF	
20nF	0.01nF	1/4 00/ rooding 15
200nF	0.1nF	±(4.0%reading +5 word) ;
2µF	0.001µF	Overload
20µF	0.01µF	protection: 250V
200μF	0.1µF	
2mF	0.001mF	

### **RESISTANCE**

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

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