INTRODUCTION

The Metravi DT-3250A is a dual impedance, TRMS, Digital Clamp Meter, integrating a variety of measurements like AC/DC Voltage, AC/DC Current, Frequency, Duty Ratio, Resistance, Capacitance, Temperature, Diode, Continuity, NCV, VFD, Inrush Current, and more.

Features functions like last Data Hold, LED Flashlight, Max./Min./ Relative value, Celsius/Fahrenheit degrees, and Zero key.

GENERAL SPECIFICATIONS

- 6000 Counts Backlit LCD, Double Colour, Dual Display
- · 40mm Jaw, wide enough to measure without disturbing circuits
- Auto Range mode
- NCV: Non-contact Voltage detection
- Live Line detection
- · VFD Voltage & Current measurement
- Inrush Current measurement
- High Input Impedance Voltage measurement, approx $10M\Omega$
- Low Input Impedance Voltage (LoZ) measurement, approx $300 k\Omega$
- · Zero/REL button to reset the meter
- Safe & reliable: designed as per and conforms to IEC61010-1, CAT III 1000V, CAT IV 600V
- · Auto power-off
- · Low Battery indication
- Over Range indication
- · Input polarity indication
- Operating Environment: 0-40°C, <80% RH, <10°C non condensing, Altitude< 2000m.
- Storage Environment: -10-60°C <70% RH (remove the battery)
- Power: 3 x 1.5V AAA alkaline batteries



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



DIGITAL TRMS AC/DC CLAMP METER

DT-3250A

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 + word)

DC CURRENT

Range	Resolution	Accuracy
60A	0.01A	
600A	0.1A	± (2.5%reading+8)
1000A	1A	

MAX current: 1000A

NOTE: Press ZERO key to clear before

measurement.

DC VOLTAGE

Range	Resolution	Accuracy	
600mV	0.01mV		
6V	0.001V		
60V	0.01V	± (0.5%reading+5)	
600V	0.1V		
1000V	1V	± (0.8%reading+5)	

Input impedance : 10MΩ(LoZ:300kΩ) Overload protection: AC750V/DC1000V Maximum input voltage: AC750V/DC1000V

NOTE: In the small voltage range, when the probe is not connected to the measuring circuit, the meter display reading may not be zero, which is normal and will not affect the normal measurement.

AC CURRENT (T-RMS)

Range	Resolution	Accuracy	
60A	0.01A	±(2.5%reading+8) VFD: ±(5.0%	
600A	0.1A		
1000A	1A	reading+10) INRUSH: ±(5.0% reading+10)	

MAX current : 1000A ; True RMS

Frequency range: 0.1~600A: 40Hz~400Hz; 600~1000A: 40Hz~60Hz

AC VOLTAGE (T-RMS)

Range	Resolution	Accuracy	
600mV	0.01mV		
6V	0.001V		
60V	0.01V	± (0.8%reading+5)	
600V	0.1V		
750V	1V ± (1.0%reading		
VFD(750V)	0.1V	± (2.0%reading+5)	

Input impedance: 1 0MΩ(LoZ:300kΩ)
Overload protection: AC750V/DC1000V
Maximum input voltage: AC750V/DC1000V
Frequency range: 40Hz~1kHz; True RMS

NOTE: In the small voltage range, when the probe is not connected to the measuring circuit, the meter display reading may not be zero, which is normal and will not affect the normal measurement.

RESISTANCE

Range	Resolution	Accuracy
600Ω	0.1Ω	
6kΩ	0.001kΩ	
60kΩ	0.01kΩ	
600kΩ	0.1kΩ	± (1.0%reading+5)
6ΜΩ	0.001ΜΩ	
60ΜΩ	0.01ΜΩ	

Overload protection: 250V

CAPACITANCE

Range	Resolution	Accuracy	
10nF	0.001nF		
100nF	0.01nF		
1000nF	0.1nF	± (4.0%reading+5)	
10µF	0.001µF		
100μF	0.01μF	± (5.0%reading+10)	
1000µF	0.1µF		
10mF	0.001mF		
100mF	0.01mF		

Overload protection: 250V

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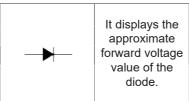
DIGITAL TRMS AC/DC CLAMP METER

DT-3250A

TECHNICAL SPECIFICATIONS

CONTINUITY

DIODE



Forward DC current is about 1.5mA. Reverse DC voltage is about 3V. Overload protection:250V.

FREQUENCY/DUTY

Range	Resolution	Accuracy	
10Hz	0.001Hz		
100Hz	0.01Hz		
1000Hz	0.1Hz		
10kHz	0.001kHz	± (1.0%reading+3)	
100kHz	0.01kHz		
1000kHz	0.1kHz		
10MHz	0.001mHz	± (3.0%reading+3)	
1~99%	0.1%		

Overload protection: 250V; Hz/Duty:

1. Range: 0 ~ 10MHz

2. Voltage sensitivity: 0.5~10V AC (As the frequency increases, the voltage should increase accordingly.)

Through mode V:

1. Range: 10Hz ~ 10 kHz

2. Voltage sensitivity: >0.5V AC (As the frequency increases, the voltage should increase accordingly.)

Clamp measuring frequency:

1. Range: 10Hz ~ 1 kHz

2. Current sensitivity: >20A (As the frequency increases, the current should increase accordingly.)



TEMPERATURE

	Resolution	Accuracy	
		-20°C~ 0°C	± 3°C
°C	1°C	0°C ~ 400°C	± 1.0% or ± 2°C
·		400°C ~ 1000°C	± 2.0%
		-4°F~ 32°F	± 6°F
°F	1°F	32°F~ 752°F	± 1.0% or ± 4°F
		752°F~ 1832°F	± 2.0%

NOTE: The above precision does not include the error of thermocouple probe.

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