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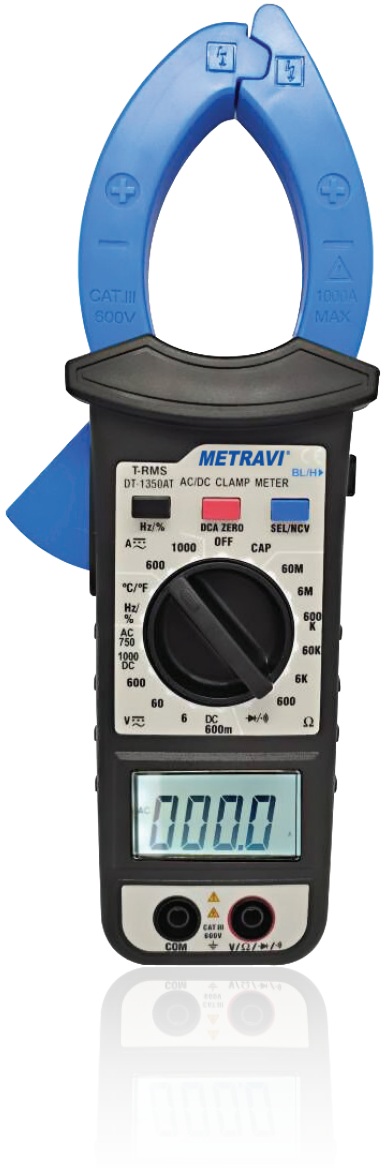
DIGITAL T-RMS AC/DC CLAMP METER | DT-1350AT

INTRODUCTION

The DT-1350AT clamp meter is a 3-5/6 6000 Counts Digital Clamp Meter with backlit LCD and powered by two AAA Batteries.
The Unit adopts full-function overload protection circuit and can be used for the measurement of DC/AC Voltage, AC Current, DC Current, Resistance, Capacitance, Frequency and Temperature.
The unit is reasonably structured and adopts a rotary switch that integrates function selection, range selection and power on/off. It is a portable and ideal tool for electrical measurements.



SAFETY INFORMATION

This Unit is in compliance with safety standards, including IEC61010-1, IEC61010-2-032, CAT III 600V and Pollution Degree II.
Please read the User Manual carefully before use.

GENERAL SPECIFICATIONS

- **Display :** 6000 Counts 3-5/6 Digits Backlit LCD
- Over–range and Low Battery indication
- One single button to toggle between Frequency and Duty Cycle
- Data Hold to freeze the displayed readings
- Non-contact Voltage Detector function (NCV)
- **Battery :** 2 x 1.5V AAA Batteries
- **Working Environment :** 0°~40°C, 45%-70% RH
  (Non-condensing when temperature is less than 10°C);
- **Storage Environment :** -10°~50°C, RH is less than 80%
- **Dimension :** 250 (L) x 97 (W) x 48 (H) mm
- **Weight :** Approximately 345g
- **Maximum width of jaws when clamp opens :** 40mm
- **Accessories :** User Manual; Test Leads; K-type Thermocouple; 2 Batteries; Soft Carrying Case

TECHNICAL FEATURES

Temperature : 23°C; RH is less than 80%; Accuracy: a% x reading + figure); period of guaranteed Accuracy: 1 year.

AC Current Measurement

Range	Accuracy	Resolution
600A	±3.0%+8	0.1A
1000A		1A

Frequency Response : 40~1KHz;
Display : RMS of a sine wave; average value responding;
Overload Protection : 1200A (Input time is no more than 60S);

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DC Current Measurement

Range	Accuracy	Resolution
600A	±3.0%+8	0.1A
1000A		1A

Overload Protection : 1200A (Input time is no more than 60S);

AC Voltage Measurement

Range	Accuracy	Resolution
6V	±1.0%+3	0.001V
60V		0.01V
600V		0.1V
750V		1V

Frequency Response : 40~1KHz;
Input Resistance : 10 M
Overload Protection : DC 1000V / AC 750V

DC Voltage Measurement

Range	Accuracy	Resolution
600mV	±0.8%+3	0.1mV
6V		0.001V
60V		0.01V
600V		0.1V
1000V		1V

Input Resistance : 10 M
Overload Protection : DC 1000V / AC 750V

Resistance Measurement

Range	Accuracy	Resolution
600	±1.0%+3	0.1Ω
6K	±0.8%+3	1Ω
60K		0.01kΩ
600K		0.1kΩ
6M	±1.0%+3	1kΩ
60M	±3 .0%+5	10kΩ

Open-Circuit Voltage: Less than 0.5V
Overload Protection : 500V DC/AC

Frequency Measurement

Range	Accuracy	Resolution
9.999Hz	(±0.3%+4) 3VRMS	0.001Hz
99.99Hz		0.01Hz
999.9Hz		0.1Hz
9.999KHz		1Hz
99.99KHz		10Hz
99.99KHz		100Hz
9.999MHz		1kHz
Duty (10%~90%)	±0.5%+4	0.1%

Overload Protection : 500V DC/AC

Capacitance Measurement

Range	Accuracy	Resolution
9.999nF	±4%,+40	1pF
99.99nF	±4%,+10	10pF
999.9nF	±3%+10	100pF
9.999uF		1nF
99.99uF		10nF
999.9uF		100nF

Overload Protection : 500V DC/AC

Temperature Measurement

Range	Resolution	Remark
-20°~750°C	-20°~400°C, (1%+10) -401°~750°C, (3%+10)	1°C
-4°~1400°F	-4°~650°F, (1%+10) 651°~1400°F, (3%+10)	1°F

Overload Protection : 500V DC/AC

Diode Measurement

Range	Resolution	Remark
	1mV	Forward voltage drop is about 2.8V

Continuity Test

Test using •)) range, when the resistance under test is less than100 ohm, the buzzer alarms.