

## INTRODUCTION

DT-1350A Digital clamp meter has a 3-1/2 digit 2000 Count LCD display and is powered by two AAA Batteries. The unit adopts full function overload protection circuit and can be used for the measurement of AC/DC voltage, AC current, DC current, Resistance, Capacitance, Frequency and Temperature. It has a sturdy built and adopts a rotary switch that integrates Power on/off, Function selection and Range selection. It is handy and portable making it the ideal tool for electrical measurement.

## SAFETY

The DT- 1150A/1350A is in compliance with safety standards, including IEC61010-1, IEC 61010-2-032, CAT-III 600V and Pollution Degree II. Always ready the manual carefully before using the device.

## FEATURES

**Display :** 3 ½ Digit 2000 counts LCD, with auto polarity conversion

**Over Range indication :** OL will be shown on the LCD

**Hold :** Data hold on

**Low battery indication :** “” will be displayed on screen

**AC Voltage :** 2V / 20V / 200V / 750V

**DC Voltage :** 200mV / 2V / 20V / 200V / 1000V

**AC Current :** 200A / 1000A

**DC Current :** 200A / 1000A

**Capacitance :** 9.999nF / 99.99nF / 999.9nF / 9.999μF / 99.99μF / 999.9uF

**Frequency :** 9.999Hz / 99.99Hz / 999.9Hz / 9.999kHz / 99.99kHz / 999.9kHz / 9.999MHz

**Resistance :** 200Ω / 2kΩ / 20kΩ / 200kΩ / 2MΩ / 20MΩ

**Temperature :** 20°C ~ 750°C

**Diode and Continuity test**

**Jaw Opening :** Approx. 40mm

**Overload Protection**

**CE CAT III 600V**

**Dimension :** 250(L) × 97(W) × 48(H) mm

**Weight :** 345gm approx.(including battery)

**Power Supply :** 3V (2pcs AAA Batteries)

**Working Environment :** 0~40°C, 45% ~ 70% RH Non Condensing (When temperature is less than 10°C)

**Storage Environment :** -10°C~50°C, RH is less than 80%

**Accessories:** User Manual, Test Leads, K-Type Thermocouple, 2pcs battery, Soft carry case



## SPECIFICATIONS

### AC Current Measurement

Range	Accuracy	Resolution
200A	±(3.0% + 8 digits)	0.1A
1000A		1A

**Frequency Response** : 50Hz/60Hz

**Display** : RMS of a Sine Wave; Average value responding

**Overload Protection** : 1200A (Input duration Max. 60 Seconds)

### DC Current Measurement

Range	Accuracy	Resolution
200A	±(3.0% + 8 digits)	0.1A
1000A		1A

**Overload Protection** : 1200A (Input duration Max. 60 Seconds)

### AC Voltage Measurement

Range	Accuracy	Resolution
2V	±(1.5% + 5 digits)	0.001V
20V		0.01V
200V		0.1V
750V		1V

**Frequency Response** : 50Hz/400Hz Input

**Resistance** : 10MΩ

**Overload Protection** : DC 1000V / AC 750V


### DC Voltage Measurement

Range	Accuracy	Resolution
200mV	±(0.8% + 5 digits)	0.1mV
2V		0.001V
20V		0.01V
200V		0.1V
1000V		1V

**Input Resistance** : 10MΩ

**Overload Protection** : DC 1000V / AC 750V

### Diode Measurement

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

### Resistance Measurement

Range	Accuracy	Resolution
200Ω	±(1.5% + 5 digits)	0.1Ω
2kΩ		1Ω
20kΩ	±(1.5% + 3 digits)	0.01kΩ
200kΩ		0.1kΩ
2MΩ	±(2.0% + 5 digits)	1kΩ
20MΩ		10kΩ

**Open circuit voltage** : Less than 0.5V

**Overload Protection** : 500V DC/AC

### Frequency Measurement

Range	Accuracy	Resolution
9.999Hz	±(0.3%+4 digits) 3V RMS	0.001Hz
99.99Hz		0.01Hz
999.9Hz		0.1Hz
9.999kHz		1Hz
99.99kHz		10Hz
999.9kHz		100Hz
9.999MHz		1kHz

**Overload Protection** : 500V DC/AC

### Capacitance Measurement

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

**Overload Protection** : 500V DC/AC

### Temperature Measurement

Range	Accuracy	Resolution
-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

**Continuity Test:** Test using  range when the resistance under test is less than 100Ω, the buzzer will sound.