



## INTRODUCTION

DT-7250 Clamp Meter is completely portable. With 3 3/4 Digits, it can measure AC Current upto 2000A, Ac/DC Voltage, Resistance and Frequency. It is used in laboratories, field servicing and maintenance and for household use where high current measurements are required.

## GENERAL SPECIFICATIONS

- **Display** : 3 - 3/4 Digits (4000 counts) LCD.
- **Jaw opening** : 57mm (Cable: 55mm / Busbar : 70×8mm<sup>2</sup>)
- **Auto-range for V, A, Ω, Hz functions / manual range (Except for Hz function)**
- **Data Hold (Except for Hz function)**
- **Display updates** : 3 time/sec
- **Relative value (Except for Hz function)**
- **Low battery voltage indication**
- **Safety Standards** : complies with pollution 2, CAT.III 600V of the IEC1010-1(EN61010-1) and UL3111-1 standards
- **Continuity check** : Buzzer sound at less than about 30Ω
- **Power requirement** : Single standard 9V battery. (IEC6LF22, NEDA1604 or JIS006P).
- **Power consumption** : 3mA
- **Auto power-off (30 minutes)**
- **Operating environment** : 0°C~40°C, 70%RHmax.
- **Storage environment** : -20°C~60°C, 80%RHmax.
- **Dimensions** : 240mm × 100mm × 50mm
- **Weight** : Approx 610g, including battery.
- **Accessories** : One pair test leads, manual, Carrying Case.

## ELECTRICAL SPECIFICATIONS

Accuracy: stated accuracy at 23±5°C, <75%RH.  
Temperature Coefficient : 0.1×(specified accuracy)/1°C (<18 °C or >28°C)

### AC Current

Range	Resolution	Bandwidth	Accuracy	Overload Protection
400A	0.1A	50-60Hz	±(2%rdg+5dgts)	2200A (1 Min.)
2000A	1A	50-60Hz	±(2.5%rdg+5dgts)	

### AC Voltage

Range	Resolution	Bandwidth	Accuracy	Overload Protection
4V	0.001V	50-60Hz	±(1.5%rdg+5dgts)	800V AC
40V	0.01V			
400V	0.1V			
750V	1V			
400V	0.1V	40-400Hz	±(2.5%rdg+5dgts)	

Input Impedance : 10MΩ

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

### DC Voltage

Range	Resolution	Accuracy	Overload Protection
4V	0.001V	±(1%rdg+3dgts)	1200V DC
40V	0.01V	±(1%rdg+3dgts)	
400V	0.1V	±(1%rdg+3dgts)	
1000V	1V	±(1%rdg+3dgts)	

Input Impedance : 10MΩ

### Resistance

Range	Resolution	Accuracy	Overload Protection
400.0Ω	0.1Ω	±(1%rdg+3dgts)	500V AC
40.00KΩ	0.01KΩ	±(1%rdg+3dgts)	
400.0KΩ	0.1KΩ	±(1%rdg+3dgts)	
4.000MΩ	1KΩ	±(1.2%rdg+3dgts)	
40.00MΩ	10KΩ	±(1.5%rdg+3dgts)	

### Frequency

Range	Resolution	Accuracy	Overload Protection
99.99Hz	0.01Hz	±(1%rdg+3dgts)	500V AC
999.9Hz	0.1Hz		
9.999KHz	0.001KHz		
99.99KHz	0.01KHz		
999.9KHz	0.1KHz		

Sensitivity : 5V rms. Max:<10Vrms (10Hz ~ 1MHz) <300Vrms (50Hz ~ 60Hz)

### Diode & Continuity Test

Range		Overload Protection
Diode	Test current:0.6 mA(appr.), Open voltage:1.5V(typ) Resolution:0.001V	500V AC
Continuity	<30Ω	500V AC