



This meter measures AC Current, DC Current, AC/DC Voltage, Resistance, Capacitance, Frequency, Diode Test, Duty Cycle and Continuity. The molded case is designed for heavy duty use. This meter is shipped fully tested and calibrated and, with proper use, will provide years of reliable service.

This meter also measures AC/DC and kVA. The meter can also measure power factor for single phase loads.

It has Inrush current facility, Non Contact Voltage Detector, Data Hold and Peak Hold Function. This is the first 40000/4000 counts Clamp on power meter.

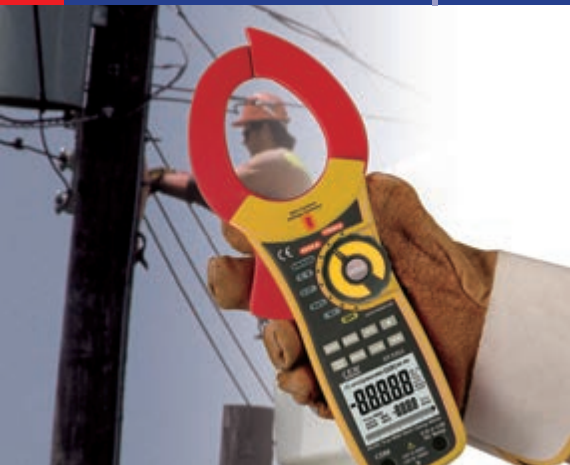


## DT-3352

**1500AMP TRUE RMS AC/DC  
CLAMP POWER METER**

# DT-3352

## 1500Amp True RMS AC/DC Clamp Power Meter



Input Limits	
Function	Maximum Input
A AC,	1500A DC/AC
A DC	1500A DC/AC
V DC, V AC	1000V DC/AC
Resistance, Capacitance, Frequency, Diode Test	250V DC/AC
Type K Temperature	30V DC, 24V AC

### General Specifications

Clamp Jaw Opening	2.0" (52mm) approx.
Display	Dual 40,000/4,000 count backlit LCD with Analogue Bargraph
Continuity check	Threshold 50Ω; Test current < 0.5mA
Diode test	Test current of 0.3mA typical; Open circuit voltage [2.8VDC typical]
Low Battery indication	Battery symbol is displayed
Over-range Indication	'OL' display
Inrush Current	can measure Inrush Current for Motor starting application
Data Hold	Freezes displayed Data
Peak Hold	Freezes the peak values
Non Contact Voltage Detector	Indicates if the line is live or dead
Measurement Rate	2 readings per second, nominal
Peak Detector	>1ms
Thermocouple Sensor	Type K thermocouple required
Input Impedance	10MΩ (VDC and VAC)
AC Bandwidth	50 to 400Hz (AAC and VAC)
AC Response	True rms (AAC and VAC)
Crest Factor	3.0 in 40A and 400A ranges, 1.4 in 1000A range (50/60Hz and 5% to 100% of range)
Operating Temperature	5°C to 40°C (41°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Operating Humidity	Max 80% up to 31°C (87°F) decreasing linearly to 50% at 40°C (104°F)
Storage Humidity	<80%
Operating Altitude	7000ft. (2000meters) maximum.
Battery	One (1) 9V Battery (NEDA 1604)
Auto Power Off	After approx. 30 minutes
Dimensions & Weight	11.57 x 4.13x1.85" (294x105x47mm); 18.9 oz. (536g)
Safety	For indoor use and in accordance with the requirements for double insulation to IEC1010-1 (2001); EN61010-1 (2001) Overvoltage Category III 600V and Category II 1000V, Pollution Degree 2.
Approvals	CE



### Technical Specifications

Function	Range & Resolution	Accuracy (% of reading)	
DC Current	400.00 ADC	± (2.0% +30digits)	
	1500.0 ADC	± (2.5% +30digits)	
AC Current True RMS (50Hz to 60 Hz)	400.00 AAC	± (2.5% +30digits)	
	1500.0 AAC	± (2.8% +30digits)	
All AC voltage ranges are specified from 5% of range to 100% of range			
DC Voltage	400.00 mVDC	± (0.1% + 9digits)	
	4.0000 VDC	± (0.1% + 4 digits)	
	40.000 VDC		
	400.00 VDC		
	1000.0 VDC	± (0.5% + 4 digits)	
AC Voltage True RMS (50 Hz to 1000 Hz)	400.0 mVAC	± (0.8% + 9digits) (50/60Hz)	
	4.0000 VAC	± (1.0% + 30 digits)	
	40.000 VAC		
	400.00 VAC		
	750.0 VAC		
All AC voltage ranges are specified from 5% of range to 100% of range			
Resistance	400.00 Ω	± (0.5% + 9 digits)	
	4.0000KΩ	± (1.0% + 4 digits)	
	40.000KΩ		
	400.00KΩ		
		4.0000MΩ	± (2.0% + 10digits)
	40.000MΩ	± (3.0% + 10 digits)	
Capacitance	400.00nF	± (3.5% reading + 40digits)	
	4000.0nF	± (3.5% reading + 10digits)	
	40.000μF		
	400.00μF		
		4.0000mF	± (5% reading + 10 digits)
		20.000mF	
	40.000mF	Not specified	
Frequency	40.000 Hz	± (0.3% reading + 2 digits)	
	400.00 Hz		
	4.0000KHz		
	40.000KHz		
	400.00KHz		
	4.0000MHz		
	40.000MHz		
Sensitivity: 0.8V rms min. @ 20% to 80% duty cycle and <100kHz; 5Vrms min @ 20% to 80% duty cycle and > 100kHz.			
Duty Cycle	10.0 to 95.0%	± (1.0% reading + 2 digits)	
	Pulse width: 100μs - 100ms, Frequency: 10Hz to 100kHz		
Temp (type-K) (probe accuracy not included)	-100.0 to 1000.0°C	± (1.0% reading + 2.5 °C)	
	-148.0 to 1832.0°F	± (1.0% reading + 4.5°F)	
(probe accuracy not included)			
AC KW/kVA(0-600V,0-1500A,50/60Hz TRMS)	900.0kW	± (3% +10digits)	
	All AC voltage ranges are specified from 5% of range to 100% of range		
DC KW/kVA(0-600 V,0-1500A)	900.0kW	± (2.8 % +10digits)	

### Accessories

Carrying Case, Test Leads, Battery, Temperature Probe, Instruction Manual and Test Certificate.

