



## DT-3395

### DIGITAL AC T-RMS / DC CLAMP METER

The CEM DT-3395 Digital AC T-RMS / DC Clamp meter is designed with ergonomic concepts, shaped to fit your hand and to access tight spots as well as wide bus bars. This is a rugged, heavy-duty clamp meter that measures AC Currents accurately irrespective of the waveform of current. With this, DC Currents can be measured as well. It also can measure AC T-RMS/DC Voltage, Resistance, Capacitance, Frequency, Duty Cycle and Temperature. It has Diode and Continuity Test as well.

The large backlit LCD makes it easy to use in dark areas. The Non Contact Voltage Detector shows the presence of live wires while taking measurements. The Data Hold and Relative measurement facilities add versatility to the meter making it useful for wide range of applications. The meter confirms to IEC 1010-1 (2001): EN61010-1 (2001) Overvoltage Category III 1000V and Category IV 600V, Pollution Degree 2.

#### FEATURES

- 3-5/6 Digits 6000 Counts Backlit LCD Display with Analogue Bargraph
- Has AC Voltage Measuring Bandwidth of 50 – 400Hz
- The AC Current Measuring Frequency is 50 – 60Hz
- Data Hold and Relative Measurement
- Low Battery and Over-Range Indication
- Auto Power Off after approx. 30 mins.
- Measures Motor Capacitance up to 4000uF
- Frequency Measurement up to 10MHz
- Current Measurement up to 1000A AC T-RMS / DC.
- AC T-RMS/DC Voltage up to 1000V
- Temperature Measurement using K type Thermocouple
- Clamp Jaw Dia of 52mm
- Fuse Protection
- Operating Temperature: 5 to 40°C (41°F to 104°F)
- Storage Temperature: -20 to 60°C (-4°F to 140°F)
- Operating Humidity: Max 80% up to 31°C Decreasing Linearly to 50% at 40°C
- Storage Humidity < 80% RH
- Operating Altitude 7000 ft
- 9V Battery Operated
- Size: 270 x 100 x 47 mm / Weight: 452g.
- Safety: IEC 61010-1, CAT IV 600V, CAT III 600V, CE

### SPECIFICATIONS

Function	Range	Resolution	Accuracy
AC Current True RMS (50 to 60Hz)	60A	0.01A	± (2.2 % ± 12 Digits)
	600A	0.1A	± (2.2 % ± 8 Digits)
	1000A	1A	

Function	Range	Resolution	Accuracy
DC Current	60A	0.01A	± (2.2 % ± 10 Digits)
	600A	0.1A	± (2 % ± 8 Digits)
	1000A	1A	

Function	Range	Resolution	Accuracy
DC Voltage	600mV	0.1mV	± (1 % ± 3 Digits)
	6V	0.001V	
	60V	0.01V	
	600V	0.1V	
	1000V	1V	

Input Protection: 1000V DC

Function	Range	Resolution	Accuracy
AC Voltage True RMS (50Hz to 400Hz)	6V	0.001V	± (3.5 % ± 5 Digits)
	60V	0.01V	
	600V	0.1V	
	1000V	1V	

Input Protection: 1000V AC RMS

Function	Range	Resolution	Accuracy
Resistance	600Ω	0.1Ω	± (1.0 % ± 5 Digits)
	6 KΩ	0.001 KΩ	
	60 KΩ	0.01 KΩ	
	600 KΩ	0.1 KΩ	
	6 MΩ	1 KΩ	
	60 MΩ	10 KΩ	± (2 % ± 10 Digits)

Input Protection: 600V DC or 600V AC RMS

Function	Range	Resolution	Accuracy
Capacitance	40.00nF	10pF	± (3.5 % ± 40 Digits)
	400.0nF	0.1nF	± (2.5 % ± 5 Digits)
	4.000uF	1nF	
	40.00uF	10nF	
	400.0uF	0.1uF	
	4000uF	1uF	

Input Protection: 600V DC or 600V AC RMS

Function	Range	Resolution	Accuracy
Frequency	9.999Hz	0.001Hz	± (1.5 % ± 5 Digits)
	99.99Hz	0.01Hz	
	999.9Hz	0.1Hz	
	9.999kHz	1Hz	
	99.99kHz	10Hz	
	999.9kHz	100Hz	
	9.99MHz	10kHz	

Sensitivity: >8V RMS (5Hz to 10MHz)

Function	Range	Resolution	Accuracy
Duty Cycle	0.1% - 99.9%	0.1%	± (1.2 % ± 2 Digits)

Function	Range	Resolution	Accuracy
Temperature (type-K) (probe accuracy not included)	-20 to 400°C	0.1°C	± (2 % ± 3 Digits)
	400 to 760°C	1°C	± (2 % ± 5 Digits)
	-4 to 752°F	0.1°F	± (2 % ± 6 Digits)
	752 to 1400°F	1°F	± (2 % ± 9 Digits)

Input Protection: 600V DC or 600V AC RMS

Function	Testing Condition	Reading
Diode	Forward DCA is approx. 1mA, open circuit Voltage MAX. 1.5V	Forward voltage drop of Diode
Continuity	Test current MAX. 1.5mA	Buzzer makes a long sound, While resistance is less than (60Ω)

Input Protection: 600V DC or 600V AC RMS

### INCLUDED ACCESSORIES

Carrying Case, Testing Leads, Temperature Probe  
Instruction Manual, Battery, Test Report