



DT-356

Digital AC T-RMS / DC Clamp Meter

The CEM DT-356 is designed with ergonomic concepts, shaped to fit your hand and to access tight spots easily. This small and rugged clamp meters are ideally suited for current measurements up to 1000 A in tight cable compartments. The DT-356 also offer AC/DC current measurements and have a higher resolution for loads below 600 A. In addition to a compact package with a strong feature set, the DT-356 also equips with Capacitance and Frequency functions for testing motors, lighting, etc.

FEATURES

- 3-5/6 Digits 6000 Counts Backlit LCD with Bargraph
- Fully Overload Protection
- Non Contact Voltage Detector to indicate Live Wire
- 1000V DC/AC Protection in Frequency, Temperature, Resistance, Capacitance, Diode & Continuity Test
- Data Hold Freezes the display
- MAX / MIN record and Relative measurement
- AC-TRMS / DC Current up to 1000A
- AC-TRMS / DC Voltage up to 600V
- Motor Capacitors up to 4000uF can be measured
- Temperature and Frequency Measurement
- 40mm Clamp Jaw Dia
- AC Current and AC Voltage Bandwidth 50 ~ 400Hz
- Continuity and Diode Test
- Auto Power Off after 15 mins.
- Over-range and Low Battery Indication
- 9V Battery Operated
- 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

SPECIFICATIONS

Function	Range	Resolution	Accuracy
AC Current True RMS (50 to 60Hz)	600A	0.1A	± (2.8 % ± 8 Digits)
	1000A	1A	± (3.0 % ± 8 Digits)

Function	Range	Resolution	Accuracy
AC Current True RMS (400Hz)	600A	0.1A	± (5 % ± 10 Digits)
	1000A	1A	

Function	Range	Resolution	Accuracy
DC Current	600A	0.1A	± (2.8 % ± 5 Digits)
	1000A	1A	± (3.0 % ± 5 Digits)

Function	Range	Resolution	Accuracy
DC Voltage	600mV	0.1mV	± (1.5 % ± 2 Digits)
	6V	0.001V	
	60V	0.01V	
	600V	0.1V	

Input Protection: 1000V DC.

Function	Range	Resolution	Accuracy
AC Voltage True RMS (50Hz to 400Hz)	6V	0.001V	± (1.8 % ± 8 Digits)
	60V	0.01V	
	600V	0.1V	

Input Protection: 1000V AC RMS.

Function	Range	Resolution	Accuracy
Resistance	600Ω	0.1Ω	± (1.0 % ± 4 Digits)
	6 KΩ	0.001 KΩ	± (1.5 % ± 2 Digits)
	60 KΩ	0.01 KΩ	
	600 KΩ	0.1 KΩ	
	6 MΩ	1 KΩ	± (2.5 % ± 3 Digits)
	60 MΩ	10 KΩ	± (3.5 % ± 5 Digits)

Input Protection: 1000V DC or 1000V AC RMS.

Function	Range	Resolution	Accuracy
Capacitance	40.00nF	10pF	± (4.0 % ± 20 Digits)
	400.0nF	0.1nF	± (3.0 % ± 5 Digits)
	4.000uF	1nF	
	40.00uF	10nF	
	400.0uF	0.1uF	± (4 % ± 10 Digits)
	4000uF	1uF	± (5 % ± 10 Digits)

Input Protection: 1000V DC or 1000V AC RMS.

Function	Range	Resolution	Accuracy
Frequency	9.999Hz	0.001Hz	± (1.5 % ± 2 Digits)
	99.99Hz	0.01Hz	
	999.9Hz	0.1Hz	
	9.999kHz	1Hz	
	99.99kHz	10Hz	

Sensitivity: >5V 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 760°C	0.1°C	± (3 % ± 5 Digits)
	-4 to 1400°F	0.1°F	± (3 % ± 9 Digits)

Input Protection: 1000V DC or 1000V AC RMS.

Function	Testing Condition	Reading
Diode	Forward DCA is approx.0.3mA, open circuit Voltage MAX . 1.5V	Forward voltage drop of Diode
Continuity	Test current MAX. 0.5mA	Buzzer makes a long sound, While resistance is less than (40Ω)

Input Protection: 1000V DC or 1000V AC RMS.

INCLUDED ACCESSORIES:

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