



## DT-382

### DIGITAL COMPACT AC/DC CLAMP METER

The new DT-382 CEM Clamp Meter is designed to fit easily in your pocket. The small 30 mm jaw allows access into tight places where other clamp meters can't reach, while providing the accuracy you can trust from a CEM tool. This durable clamp meter is a must-have for basic clamp measurements.

The CEM DT-382 comes with all the rugged, reliable and accurate features you trust, in a small, ergonomic design. The innovative body design offers a more compact tool to meet your needs. With features of AC/DC current measurements up to 200 A, a large 30 mm jaw opening and CAT III 600 V safety rating, you get an easy-to-use tool that handles your everyday electrical maintenance needs.

The meter confirms to EN-61010-1, EN-61326. The instrument houses a Non-Contact Voltage Detector to show the presence of live wire. The Flashlight in the clamp jaw and the backlit display helps easy access in dark and tight areas.

#### FEATURES

- 2400 Counts Backlit LCD Display
- Non Contact Voltage Detector Built-in
- Flashlight in the clamp to access dark areas
- Single Hand Easy Operation
- Full Overload Protection
- Data Hold Function to Freeze the display
- AC Voltage Bandwidth 50 to 400Hz
- AC Current Bandwidth 50 to 60Hz
- Diode Test and Audible Continuity Test
- Low Battery and Overload Indication
- Temperature Measuring Facility with K type thermocouple
- AC/DC Voltage and AC/DC Current measuring facility
- Resistance & Frequency measurement
- Clamp Jaw Dia of 30mm
- 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
- 2 x 1.5V AAA Battery Operated
- Size: 230 x 82 x 40 mm / Weight: 230g.
- Safety: IEC 61010-1, CAT III 600V, CE

## SPECIFICATIONS

Function	Range	Resolution	Accuracy
AC Current	20A	0.01A	$\pm (2.5 \% \pm 5 \text{ Digits})$
	200A	1A	

Function	Range	Resolution	Accuracy
DC Current	20A	0.01A	$\pm (2.5 \% \pm 5 \text{ Digits})$
	200A	1A	

Function	Range	Resolution	Accuracy
DC Voltage	240mV	0.1mV	$\pm (1.0 \% \pm 2 \text{ Digits})$
	2.4V	0.001V	$\pm (1.5 \% \pm 2 \text{ Digits})$
	24V	0.01V	
	240V	0.1V	
	600V	1V	$\pm (2 \% \pm 2 \text{ Digits})$

Input Protection: 600V DC.

Function	Range	Resolution	Accuracy
AC Voltage (50Hz to 400Hz)	240mV	0.1mV	$\pm (1.5 \% \pm 10 \text{ Digits})$
	2.4V	0.001V	$\pm (1.5 \% \pm 8 \text{ Digits})$
	24V	0.01V	
	240V	0.1V	
	600V	1V	$\pm (2 \% \pm 8 \text{ Digits})$

Input Protection: 600V AC RMS.

Function	Range	Resolution	Accuracy
Resistance	240 $\Omega$	0.1 $\Omega$	$\pm (1.0 \% \pm 4 \text{ Digits})$
	2.4 K $\Omega$	0.001 K $\Omega$	$\pm (1.5 \% \pm 4 \text{ Digits})$
	24 K $\Omega$	0.01 K $\Omega$	
	240 K $\Omega$	0.1 K $\Omega$	
	2.4 M $\Omega$	1 K $\Omega$	$\pm (2.5 \% \pm 4 \text{ Digits})$
	24 M $\Omega$	10 K $\Omega$	$\pm (3.5 \% \pm 4 \text{ Digits})$

Input Protection: 250V DC or 250V AC RMS.

Function	Range	Resolution	Accuracy
Temperature (type-K) (probe accuracy not included)	-20 to 760°C	1°C	$\pm (3 \% \pm 5 \text{ Digits})$
	-4 to 1400°C	1°F	

Input Protection: 250V DC or 250V AC RMS.

Function	Range	Accuracy (% of reading + digits)	Resolution
Frequency	10Hz ~ 10KHz	$\pm (1.5 \% + 2d)$	0.01Hz

Sensitivity: 100V (<50Hz); 50V (50 to 400Hz); 15V (401Hz to 10kHz).

Function	Testing Condition	Reading
Diode	Forward DCA is approx. 0.3mA, open circuit Voltage MAX . 1.5V	Forward voltage drop of Diode
Continuity	Open Voltage is approx 0.5V	Buzzer makes a long sound, While resistance is less than (50 $\Omega$ )

Input Protection: 250V DC or 250V AC RMS.

## INCLUDED ACCESSORIES:

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