

CEM



DT-3370B/3371B Digital T-RMS Clamp Meter

Integrated Non Contact Voltage Detector and Thermometer for K type thermocouple.

To quickly check for the presence of live wires before testing plus True-RMS and 400A and 1000A Current Ranges.

The DT-3370 Series of Digital Clamp meters offers all the specifications required by any field engineer working on-site at incoming power site. These are very elegantly designed, perfectly fit into hand and can be used to access tight places for testing. The large backlit LCD with high display count of 4,000 provides precise and accurate readings with details till the last digit. The bright backlit and flashlight in the clamp, makes it easier to use in dark areas.

These clamp meters confirm to CAT-III 1000V, CAT-IV 600V and are TUV & GS Approved. They confirm to EMC & LVD, EN:61326, EN:61010-1, EN:61010-02-031

FEATURES

- Non Contact type Voltage Detector to show presence of live wire
- Built-in Flash Light in Clamp Jaw, helps to easily access dark areas
- True RMS for accurate readings of non-sinusoidal waveforms
- Type K Thermocouple Input For Temperature Measurement
- 3-3/4 Digits 3999 Counts Backlit LCD with analogue Bargraph
- Data Hold Plus Peak Hold of Current
- Measures Motor Capacitors to 4,000 μ F
- 49 mm (1.9") Jaw Opening for Conductors up to 500MCM
- Rugged Double Molded Housing
- Auto-ranging with Manual Override
- DC Current Function Ideal for Automotive, Heavy Equipment and Marine Applications
- Max/Min Record Functions and Relative Measurement functions.
- Low Battery Indicator and Auto Power Off
- Data Hold, Peak Hold, MAX/MIN record functions
- Auto Power Off after approx. 30 mins, and Disable function
- Over Range Indication
- Continuity Test for <50, Test Current < 0.5mA
- Diode Test
- Peak Detector > 1mS
- 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: 230 x 76 x 40 mm / Weight: 315g.

(Available in DT-3371B only)

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Digital T-RMS Clamp Meter

SPECIFICATIONS

Function	Range	Resolution	Accuracy
DC Current (Only in DT-3371B)	400A	0.1A	± (2.8 % ± 8 Digits)
	1000A	1A	± (3.0 % ± 8 Digits)

Function	Range	Resolution	Accuracy
AC Current True RMS (50 to 60Hz)	400A	0.1A	± (2.8 % ± 8 Digits)
	1000A	1A	± (3.0 % ± 8 Digits)

Function	Range	Resolution	Accuracy
DC Voltage	400mV	0.1mV	± (0.8 % ± 2 Digits)
	4V	0.001V	
	40V	0.01V	± (1.5 % ± 2 Digits)
	400V	0.1V	
	600V	1V	± (2.0 % ± 2 Digits)

Input Protection: 600V DC.

Function	Range	Resolution	Accuracy
AC Voltage True RMS (50Hz to 400Hz)	400mV	0.1mV	± (1.8 % ± 20 Digits)
	4V	0.001V	
	40V	0.01V	± (1.5 % ± 5 Digits)
	400V	0.1V	
	600V	1V	± (2.0 % ± 8 Digits)

Input Protection: 600V AC RMS.

Function	Range	Resolution	Accuracy
Resistance	400Ω	0.1Ω	± (1.0 % ± 4 Digits)
	4 KΩ	0.001 KΩ	
	40 KΩ	0.01 KΩ	± (1.5 % ± 2 Digits)
	400 KΩ	0.1 KΩ	
	4 MΩ	1 KΩ	± (2.5 % ± 5 Digits)
40 MΩ	10 KΩ	± (3.5 % ± 5 Digits)	

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

Function	Range	Resolution	Accuracy
Capacitance	4.000nF	1pF	± (5 % ± 30 Digits)
	40.00nF	10pF	± (5 % ± 20 Digits)
	400.0nF	0.1nF	± (3 % ± 5 Digits)
	4.000uF	1nF	
	40.00uF	10nF	
	400.0uF	0.1uF	± (4 % ± 10 Digits)
	4.000mF	10uF	± (4.5 % ± 10 Digits)

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

Function	Range	Accuracy (% of reading + digits)
AC Voltage Frequency (Auto-ranging)	10HZ-10KHZ	± (1.0 % ± 5 Digits)

Sensitivity: >15V RMS

Function	Range	Resolution	Accuracy
Frequency	4Hz	0.001Hz	± (1 % ± 5 Digits)
	40Hz	0.01Hz	
	400Hz	0.1Hz	
	4kHz	1Hz	
	40kHz	10Hz	
	400kHz	100Hz	
	10MHz	10kHz	

Sensitivity: >5V RMS

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

Input Protection: 250V DC or 250V 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 (35Ω)

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

INCLUDED ACCESSORIES:

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