

## TES-3013 / TES-3014 Digital Clamp Meter



### Product Features

Category: CAT II 1000V , CAT III 600V  
 Capacitance measurement 2000 $\mu$ F.  
 Variable-frequency drive VFD voltage & Current measurement.  
 ACA: 600A (3013), 1000A (3014)  
 Peak / Data Hold.  
 Frequency Count / Diode Check.  
 Continuity Buzzer.

### ELECTRICAL SPECIFICATION: AC Current

Range	Resolution	Accuracy (50Hz/60Hz)	Overload Protection
20A	10mA	$\pm(2\%rdg + 5dgt)$	1000A(Within 30 seconds)
200A	100mA		
600A, 1000A	1A		

### DC Voltage

Range	Resolution	Accuracy	Input Impedance	Overload Protection
600V	1V	$\pm(0.8\%rdg + 2dgt)$	10M $\Omega$	600V

### AC Voltage

Range	Resolution	Accuracy	Input Impedance	Overload Protection
600V	1V	$\pm(1.2\%rdg + 3dgt)$ at 50, 60Hz $\pm(5\%rdg + 3dgt)$ at 40 ~ 400Hz	10M $\Omega$	600V


Resistance ( $\Omega$ )

Range	Resolution	Accuracy	Max. Open Circuit Voltage	Overload Protection
200 $\Omega$	100m $\Omega$	$\pm(1\%rdg + 2dgts)$	3.5V	600V
20k $\Omega$	10 $\Omega$		0.3V	

Frequency (Hz) (10Hz-2KHz)

Range	Resolution	Accuracy	Max. Input Sensitivity	Max. Allowable Applied Voltage
2kHz	1Hz	$\pm(1\%rdg + 2dgts)$	100mVrms	600V

Diode ( )

Range	Resolution	Max. Test Current	Max. Open Circuit Voltage	Over Voltage Protection
	1mV	1.5mA	3.5V	600V

Continuity (BEEPER)

Range	Resolution	Operation Resistance	Max. Open Circuit Voltage	Over Protection
	0.1 $\Omega$	Below 100 $\Omega$	3.5V	600V

Capacitance ( $\mu F$ )

Range	Resolution	Accuracy	Max. Open Circuit Voltage	Over Protection
2000 $\mu F$	1 $\mu F$	$\pm(5\%rdg + 2dgts)$	3.5V	600V

Peak Hold Measurement (23 $^{\circ}C \pm 5^{\circ}C$  Below 80% RH)

AC Current

Range	Resolution	Accuracy (50Hz 60Hz)	Overload Protection
20A	10mA	$\pm(2\%rdg + 10dgts)$	1000A (Within 30 seconds)
200A	100mA		
600A, 1000A	1A		

## AC Voltage

<b>Range</b>	<b>Resolution</b>	<b>Accuracy(50Hz 60Hz)</b>	<b>Input Impedance</b>	<b>Overload Protection</b>
600V	1V	$\pm(1.5\%rdg + 8dgts)$	10M $\Omega$	600V

### GENERAL SPECIFICATION:

- \* Operating Temperature: 0°C~40°C, 0-80% RH.
- \* Sampling Rate: 2.5 times per second.
- \* The time of peak Value Response: about 100ms.
- \* Power Source: 006P DC 9V 1pc.
- \* Size & Weight: 208mm×65mm×31mm & 310g.
- \* Accessories: Test probe 1 pair, Instruction Manual, Carrying Case, Battery.