

TES-3013 / TES-3014 Digital Clamp Meter



Product Features

Category: CAT II 1000V , CAT III 600V
 Capacitance measurement 2000 μ 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	$\pm(2\%rdg + 5dgts)$	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 Ω	600V

AC Voltage

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


Resistance (Ω)

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

Capacitance (μF)

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

Peak Hold Measurement (23°C \pm 5°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

Range	Resolution	Accuracy(50Hz 60Hz)	Input Impedance	Overload Protection
600V	1V	$\pm(1.5\%rdg + 8dgt)$	10M Ω	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.