

TES-3050

TRMS AC/DC Clamp Meter

Product Features

- 3-3/4 Digital LCD with bar-graph.
- Auto-Ranging on Volt, Ohm, Current, measurements.
- Auto-power off.
- Data Hold mode.
- MAX/MIN Hold mode.
- Zero Adjustment/Relative Reading.
- PEAK Hold mode. (only ACV and ACA Range)



• General Measurement

• DC Voltage (Autorange & Manual)

Range	Resolution	Accuracy	Input Impedance	Overload protection
400mV	0.1 mV	$\pm(0.75\%rdg+2dgts)$	$\geq 1000M\Omega$	660Vrms
4V	0.001V		$\cong 11M\Omega$	
40V	0.01V		$\cong 10M\Omega$	
400V	0.1V			
600V	1V			

• DC Current (Autorange & Manual)

Range	Resolution	Accuracy	Overload protection
400A	0.1A	$\pm(2\%rdg + 5dgts)$	1100A
1000A	1A		

• AC Voltage (Autorange & Manual)

Range	Resolution	Accuracy	Input impedance	Overload protection	Frequency Response
4V	0.001V	$\pm(1.2\% rdg +5dgts)$	$\cong 11M\Omega$	660Vrms	40~450Hz
40V	0.01V		$\cong 10M\Omega$		
400V	0.1V				
600V	1V	$\pm(1.5\%rdg + 5dgts)$			

• **AC Current (Autoange & Manual)**

Range	Resolution	Accuracy	Overload protection	Frequency Response
400A	0.1A	$\pm(2\%rdg + 10\ dgts)$	1100A	40~450 Hz
1000A	1 A			

• **Frequency (Hz) (Autorange only for current)**

Range	Resolution	Accuracy	Sensitivity	Overload protection
100 Hz	0.01 Hz	$\pm(0.5\%rdg+5dgts)$	5A	1100A
1KHz	0.1 Hz			

• **Frequency (Hz) (Autorange only for voltage)**

Range	Resolution	Accuracy	Sensitivity	Overload protection
100 Hz	0.01 Hz	$\pm(0.1\%rdg+2dgts)$	100mV	660Vrms
1KHz	0.1 Hz			
10KHz	0.001KHz			
100KHz	0.01 KHz			
800KHz	0.1 KHz			
			1V	

• **Resistance (Ω) (Autorange & Manual)**

Range	Resolution	Accuracy	Open circuit Voltage	Overload protection
400 Ω	0.1 Ω	$\pm(1\%rdg+5dgts)$	$\leq 0.5\ VDC$	660Vrms
4K Ω	0.001K Ω	$\pm(1\%rdg+3dgts)$		
40K Ω	0.01 K Ω			
400K Ω	0.1 K Ω			
4M Ω	0.001M Ω	$\pm(1.5\%rdg+3dgts)$		
40M Ω	0.01 M Ω			

• **Audible Continuity**

Range	Continuity beeper	Open Circuit Voltage	Overload protection
	$\leq 40\ \Omega$	$\leq 0.5V$	660Vrms

- **Diode test**

Range	Resolution	Accuracy	Overload protection
	0.001V	$\pm(1\%rdg+2dgts)$	660Vrms

- **Peak Hold Measurement**

- **AC Voltage (Autorange & Manual)**

Range	Resolution	Accuracy (50Hz~60Hz)	Input Impedance	Overload protection
4V	0.001V	$\pm(2.5\%rdg+10dgts)$	$\cong 11M\Omega$	660Vrms
40V	0.01V		$\cong 10M\Omega$	
400V	0.1V			
600V	1V			

- **AC Current (Autorange & Manual)**

Range	Resolution	Accuracy (50Hz~60Hz)	Overload protection
400A	0.1A	$\pm(2.5\%rdg+10dgts)$	1100A
1000A	1A		

- * Peak Detect Acquisitions Time $\leq 100ms$

- **SPECIFICATIONS**

Numerical Display	3-3/4 digit liquid crystal display (LCD) maximum reading 3999.
Range Selection	All ranges are selected by a single range switch.
Over Range Indication	LCD will show a "4" flashing in the highest position accompanied with a continuous beeping. (Except for ranges of 1000A AC/DC, and 600VDC 600VAC).
Sampling Rate	20 times/sec (Barograph) 2 times/sec (Digital Display)
Power Source	one 006p 9V or IEC 6F22 or NEDA 1604 Battery
Battery Life	100hr approx. (Alkaline)
Polarity	Automatic polarity " - " display for negative input
Auto power off time	Approx. 30 minutes
Operating Temperature	0°C to 40°C (32°F to 104°F) and Humidity below 80%RH
Storage Temperature	-10°C to 60°C (14°F to 140°F) and Humidity below 70%RH
Dimensions	239(L)×66(W)×34(H)mm
Weight	Approx. 430g