

# TES

Reliable in Quality

## TES-3910 Trms Clamp Meter (DC/AC 1000A)

- ❑ True RMS reading on AC and DC+AC mode
- ❑ Inrush current measurement
- ❑ Phase Rotation check (3 $\Phi$ )
- ❑ Variable-frequency drive (VFD) V & Hz measurement
- ❑ Lo-Z voltage measurement to drain ghost voltages





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## FEATURES

- Variable-frequency drive (VFD) V & Hz measurement
- Lo-Z voltage measurement to drain ghost voltages
- Check 3 $\phi$  phase sequence
- True RMS reading on AC and DC+AC mode
- Inrush current measurement
- $\mu$ A measurement for HVAC flame sensors
- mV measurement range to interface with other accessories
- Crest Factor & Harmonic ratio measurement
- Data hold, Auto hold & Peak hold mode
- Max/Min/Avg record mode
- Data memory & read function

## GENERAL SPECIFICATIONS

Max Wire Diameter : 30mm

Category : CAT III 1000V, CAT IV 600V

Accessories : Instruction Manual, Battery, Carrying case & Test Lead

Weight/Size : 236(L)x80(W)x39(T)mm/326g

## ELECTRICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS (23°C $\pm$ 5°C)

AC Current (40Hz to 400Hz) : Trms

Range	Resolution	Accuracy	Sensitivity	Overload Protection
99.99A	10mA	$\pm 2\% \pm 20$ dgts	0.10A	1000A
999.9A	100mA	(40 to 400Hz)	1.0A	

DC Current

Range	Resolution	Accuracy	Sensitivity	Overload Protection
99.99A	10mA	$\pm 2\% \pm 20$ dgts	0.10A	1000A
999.9A	100mA		1.0A	

ACA Inrush Current

Range	Resolution	Sensitivity	Measurement Time	Overload Protection
99.99A	0.01A	>5A	100mS	1000AAC
999.9A	0.1A	>50A		

$\mu$ A Trms : (AC+DC) (Burden Voltage : 5mV/ $\mu$ A)

Range	Resolution	Accuracy	Sensitivity	Overload Protection
99.99 $\mu$ A	10nA	$\pm 1\% \pm 20$ dgts	0.20 $\mu$ A	1000V
999.9 $\mu$ A	100nA		2.0 $\mu$ A	

AC Voltage (50Hz to 400Hz) : Trms

Range	Resolution	Accuracy	Sensitivity	Overload Protection
999.9mV	0.1mV	$\pm 1\% \pm 20$ dgts	2.0mV	1000V
9.999V	1mV	(50, 60Hz)	0.020V	
99.99V	10mV	$\pm 2\% \pm 20$ dgts	0.20V	
999.9V	100mV	(40 to 400Hz)	2V	

DC Voltage

Range	Resolution	Accuracy	Sensitivity	Overload Protection
999.9mV	0.1mV	$\pm 1.0\% \pm 20$ dgts	2.0mV	1000V
9.999V	1mV		0.020V	
99.99V	10mV		0.20V	
999.9V	100mV		2V	

Resistance (Continuity<40 $\Omega$  on the 999.9 $\Omega$  range)

Range	Resolution	Accuracy	Overload Protection
999.9 $\Omega$	100m $\Omega$	$\pm 1\% \pm 10$ dgts	1000V
9.999K $\Omega$	1 $\Omega$		
99.99K $\Omega$	10 $\Omega$		
999.9K $\Omega$	100 $\Omega$		

3 $\phi$  Phase sequence indication

Range	Frequency Response	Overload Protection
80V to 480V	50Hz / 60Hz	1000V

Diode (Continuity<40mV)

Range	Resolution	Accuracy	Overload Protection
3.000V	1mV	$\pm 2\% \pm 1$ dgt	1000V

Frequency

Range	Resolution	Accuracy	Sensitivity
40Hz/1KHz	0.1Hz	$\pm 0.5\%$ rdg $\pm 2$ dgts	ACV>1.2V, ACA>6A



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