

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 Φ)
- ☐ 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 ϕ phase sequence
- ☐ True RMS reading on AC and DC+AC mode
- ☐ Inrush current measurement
- ☐ μ 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

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AC Current (40Hz to 400Hz) : Trms

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

DC Current

Range	Resolution	Accuracy	Sensitivity	Overload Protection
99.99A	10mA	$\pm 2\% \pm 20\text{dgt}$	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		

μ A Trms : (AC+DC) (Burden Voltage : 5mV/ μ A)

Range	Resolution	Accuracy	Sensitivity	Overload Protection
99.99 μ A	10nA	$\pm 1\% \pm 20\text{dgt}$	0.20 μ A	1000V
999.9 μ A	100nA		2.0 μ A	

AC Voltage (50Hz to 400Hz) : Trms

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

DC Voltage

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

Resistance (Continuity<40 Ω on the 999.9 Ω range)

Range	Resolution	Accuracy	Overload Protection
999.9 Ω	100m Ω	$\pm 1\% \pm 10\text{dgt}$	1000V
9.999K Ω	1 Ω		
99.99K Ω	10 Ω		
999.9K Ω	100 Ω		

3 ϕ 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	$\pm 2\% \pm 1\text{dgt}$	1000V

Frequency

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

