

Clamp Meter

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New Products

NEW

Sound Level Meter

Vibration Meter

Light Meter

Humidity Temperature
Meter

Particle Counter

CO/ CO₂ Tester

Infrared Thermometer

Thermometer

EMF Tester

PH Meter

Power Clamp Meter

Harmonic Clamp Meter

Battery Impedance
Tester

Solar Power Meter

Flexible Clamp Meter

Anemometer/
Tachometer

Multimeter

Milli / Micro Ohm Meter

Earth/ Ground Tester

Insulation tester

Clamp Meter

Calibrator

Lan Cable Tester

Power Supply

Accessories



TES-3040H

Digital AC Clamp Meter

Product Features

- 3-3/4 Digital LCD with bar-graph
- Auto-Ranging on Volt, Ohm, Current, Frequency measurements
- Auto-power off
- Data Hold mode
- MAX/MIN Hold mode
- Zero Adjustment/Relative Reading

MEASUREMENT SPECIFICATIONS:

AC Current (Autorange & Manual): Low Pass Filter

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

Conversion type: AC coupled, TRMS measurement.

Additional Crest Factor Errors (non - sine wave)

Crest Factor	Error (% of reading)
1 - 3	0.5%
3 - 5	3%
5 - 7	6%

Response time: 5 seconds max, to rated accuracy within selected range.

INFLUENCE QUANTITY

Influence quantity	Limits of variation	Measured quantity	Tolerance
Position of conductor in the clamp conductor's diameter: 20mm	In relation to the center	Amps	$\pm(1\%+5)$

DC Voltage (Autorange & Manual)

Range	Resolution	Accuracy	Input Impedance	Overload protection
400mV	0.1mV	±(0.75% + 2)	≧ 11MΩ	600Vrms
4V	0.001V		≧ 10MΩ	
40V	0.01V			
400V	0.1V			
600V	1V			

Response time: 3 seconds max. to rated accuracy within selected range.

AC Voltage (Autorange & Manual): Low Pass Filter

Range	Resolution	Accuracy	Input impedance	Overload protection	Frequency Response
4V	0.001V	±(1.2%+5)	≥ 11MΩ	600Vrms	40~450 Hz
40V	0.01V		≥ 10MΩ		
400V	0.1V				
600V	1V	±(1.5%+5)			

Conversion type: AC coupled, TRMS measurement.

Additional Crest Factor Errors (non - sine wave)

Crest Factor	Error (% of reading)
1 - 3	0.5%
3 - 5	3%
5 - 7	6%

Response time: 5 seconds max, to rated accuracy within selected range.

Frequency (Hz) (Autorange for Voltage)

Range	Resolution	Accuracy	Sensitivity	Overload protection
100Hz	0.01Hz	$\pm(0.1\% + 2)$	100mV	600Vrms
1KHz	0.1Hz			
5KHz	0.001KHz			

Frequency (Hz) (Autorange for Current)

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

Resistance (Ω) (Autorange & Manual)

Range	Resolution	Accuracy	Open circuit Voltage	Overload protection
400Ω	0.1Ω	±(1% + 5)	≤ 0.5 VDC	600Vrms
4KΩ	0.001KΩ	±(1% + 3)		
40KΩ	0.01KΩ			
400KΩ	0.1KΩ			
4MΩ	0.001MΩ			
40MΩ	0.01MΩ	±(1.5% + 3)		

Audible continuity

Range	Continuity beeper	Open Circuit Voltage	Overload protection
	$\leq 40\Omega$	$\leq 0.5V$	600Vrms

Diode test

Range	Resolution	Accuracy	Overload protection
	0.001V	$\pm(1\%+2)$	600Vrms

Max. open circuit Voltage: 3.2V

Max. short circuit Current: 1.0mA (typical).

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 "OL" flashing
in the highest position accompanied with a continuous beeping.
(except for ranges of 1000A AC, and 600VDC 600VAC).

Low Battery Indication : The  is displayed when the battery voltage drops
below the operating voltage.

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 50°C(32°F to 122°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

Accessories : Instruction manual, Battery, Test leads, Carry Case.

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