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PRODUCT DATASHEET

600A True RMS Clamp Meters + NCV

Integrated Non-Contact Voltage Detector

To quickly check for the presence of live wires before testing plus True RMS and 60A and 600A current ranges

Features:

- True RMS for accurate readings of non-sinusoidal waveforms
- Built-in non-contact Voltage detector with LED alert
- 1.5" (40mm) jaw size for conductors up to 500MCM
- 6000 count, backlit LCD display
- Includes Multimeter functions
- **Model MA640** measures DC Current
- Relative Mode for Capacitance Zero and Offset Adjustment
- Data Hold, MIN/MAX, and Auto Power Off
- Complete with test leads, general purpose Type K bead wire temperature probe, 9V battery and carrying case

Model MA620 Model MA640

Built-in non-contact Voltage detector with LED alert

Optional MA620-K Industrial MultiMeter/Clamp Meter Test Kit or MA640-K Phase Rotation/Clamp Meter Test Kit. See Kit datasheets for more information.

Specifications	Range	Max. Resolution	Basic Accuracy (% readings+digits)
Display counts	6000		
AC Current (True RMS)	60.00A, 600.0A	0.01A	±(2.8% + 8d)
DC Current (MA640 only)	60.00A, 600.0A	0.01A	±(2.8% + 8d)
AC Voltage (True RMS)	6.000V, 60.00V, 600.0V	0.001V	±(1.8% + 8d)
DC Voltage	600.0mV, 6.000V, 60.00V, 600.0V	0.1mV	±(1.5% + 2d)
Resistance	600.0Ω, 6.000kΩ, 60.00kΩ, 600.0kΩ, 6.000MΩ, 60.00MΩ	0.1Ω	±(1.0% + 4d)
Frequency	10Hz to 10kHz	0.01nF	±(3.0% + 5d)
Capacitance	40.00nF, 400.0nF, 4.000µF, 40.00µF, 400.0µF, 4000µF	0.01nF	±(3.0% + 5d)
Temperature	-4 to 1400°F (-20 to 760°C)	0.1°	±(3% + 9°F/5°C)
Duty Cycle	0.5 to 99.0%	0.1%	±(1.2% + 2d)
Diode	Yes		
Continuity	Yes		
Dimensions	9.1x3x1.5" (232x77x39mm)		
Weight	9.6oz (271g)		

Ordering Information:

MA620.....600A True RMS AC Clamp Meter + NCV
MA620-NIST ....600A True RMS AC Clamp Meter + NCV w/ Calibration Traceable to NIST
MA640.....600A True RMS AC/DC Clamp Meter + NCV
MA640-NIST ....600A True RMS AC/DC Clamp Meter + NCV w/ Calibration Traceable to NIST

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EN 61010-1 CAT III 600V

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