EXTECH INSTRUMENTS

PRODUCT DATASHEET

MA140/MA145 True RMS 300A Mini Clamp Meters + NCV

Model MA140
AC Current

Model MA145
AC/DC Current

Choice of AC Current or AC/DC Current model with 0.8" (22mm) jaw size and high accuracy. Smart Auto Sense feature enables the MA145 to recognize the input (within a given function) and automatically switch to the correct mode of operation (i.e. AC to DC Current measurement). Built-in Non-Contact Voltage (NCV) Detector allows for quick detection of live voltage.

Features

- True RMS for accurate readings of noisy, distorted or non-sinusoidal waveforms
- **Model MA140** — AC Current
  Model MA145 — AC/DC Current and Zero function for accurate DC measurements
- Compact 0.8" (22mm) jaw size accommodates conductors up to 300MCM and allows measurements in tight locations
- Unique Smart Auto Sense feature
- Low Pass Filter (LPF) for accurate measurement of variable frequency drive signals
- Built-in Non-Contact Voltage (NCV) detector
- Inrush current measurement
- 6000 count backlit LCD display
- Smart Data Hold: Audiovisual alert when a new reading exceeds 50 digits of a held reading
- Low battery indicator and Auto Power Off feature
- CAT III-600V safety rating
- Complete with carrying case and two LR44 batteries

Specifications	MA140	MA145
AC Current (max resolution)	60A, 300A (0.01A)	60A, 300A (0.01A)
DC Current (max resolution)	—	60A, 300A (0.01A)
Basic accuracy	±2.0%	AC: ±1.5%, DC: ±1.5%
Non-Contact Voltage (NCV)	80 to 600V	80 to 600V
Dimensions	5.8x2.4x1.2" (147x60x31mm)	5.8x2.4x1.2" (147x60x31mm)
Weight	4.9oz (140g)	4.9oz (140g)

Ordering

MA140 N ..... True RMS 300A AC Mini Clamp Meter+NCV
MA145 N ..... True RMS 300A AC/DC Mini Clamp Meter+NCV

N *Indicates products that are available with optional calibration traceable to NIST. Order with -NIST after part number for product plus Calibration Certificate.*

EN 61010-1 CAT III 600V c UL us LISTED CE

MA140 UPC Code: 793950371404
MA145 UPC Code: 793950371459

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