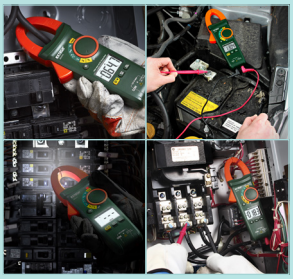
EXTECH INSTRUMENTS

PRODUCT DATASHEET

MA440 Series 400A Clamp Meters + NCV



Three models to choose from, with or without True RMS and AC or AC/DC Current functions. Choose True RMS model for accurate readings of non-sinusoidal waveforms, model with DC Current function for automotive applications, or model with Type K function when applications require Temperture measurements. The MA440 Series pocket-sized meters are fully loaded with multimeter functions and built-in non-contact voltage (NCV) detector to meet your application needs!



Common Features

- Pocket-sized meters with 1.2" (30mm) jaw size fit conductors up to 500MCM
- Built-in Non-Contact Voltage (NCV) detector
- MultiMeter functions include Resistance, Capacitance and Frequency
- Relative Mode for Capacitance
- Data Hold freezes reading on display
- Auto Power Off with disable and Low Battery indication
- Large backlit LCD display
- Complete with test leads, three AAA batteries, and pouch; MA443 and MA445 also includes a general purpose Type K Temperature probe*

** General purpose Type K probe included does not measure full range of meter capability. Specifications on next page.*

Features

- **Model MA440** (9 Functions)
  - AC Current
- **Model MA443** (10 Functions)
  - True RMS
  - AC Current
  - Type K Temperature
  - Built-in bright flashlight
  - Max/Min
- **Model MA445** (11 Functions)
  - True RMS
  - AC/DC Current
  - Type K Temperature
  - DC Zero function
  - Built-in bright flashlight
  - Max/Min

Ordering

MA440 N ..... 400A AC Clamp Meter
MA443 N ..... True RMS 400A AC Clamp Meter
MA445 N ..... True RMS 400A AC/DC Clamp Meter

N *Indicates products that are available with optional calibration traceable to NIST. Order with -NIST after part number.*

MA440 UPC Code: 793950374405
MA443 UPC Code: 793950374436
MA445 UPC Code: 793950374450

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Specifications	MA440 (Max. Resolution)	MA443 (Max. Resolution)	MA445 (Max. Resolution)
AC Current	400.0A (1mA)	400.0A (1mA) True RMS	400.0A (10mA) True RMS
DC Current	—	—	400.0A (10mA)
Basic Current Accuracy	AC: ±2.0%	AC: ±1.8%	AC: ±2.5%, DC: ±2.0%
DC Voltage	600V (0.1mV)	600V (0.1mV) True RMS	600V (0.1mV) True RMS
AC Voltage	600V (1mV)	600V (1mV)	600V (1mV)
Basic Voltrage Accuracy	AC: ±1.2% DC: ±0.8%	AC: ±1.2% DC: ±0.8%	AC: ±1.2% DC: ±0.8%
Non-Contact Voltage (NCV)	100 to 600V	100 to 600V	100 to 600V
Resistance	40MΩ (0.1Ω)	40MΩ (0.1Ω)	40MΩ (0.1Ω)
Capacitance	100µF (0.01nF)	40mF (0.01nF)	40mF (0.01nF)
Frequency	1MHz (0.01Hz)	1MHz (0.01Hz)	1MHz (0.01Hz)
Temperature (Type K - meter range)	—	-40° to 1832°F/-40° to 1000°C (1°)	-40° to 1832°F/-40° to 1000°C (1°)
Diode/Continuity	Yes	Yes	Yes
Dimensions	9x3x1.6" (228x77x41mm)	9x3x1.6" (228x77x41mm)	9x3x1.6" (228x77x41mm)
Weight	9.3oz (265g)	9.3oz (265g)	9.3oz (265g)

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