



# M110A

## Analog Multimeter

# ***MAINTAIN AND TROUBLESHOOT HVAC/R SYSTEMS***

- 21 ranges
- 600 Volts AC & 300 Volts DC
- DC millivolts
- Flame safeguard testing
- Resistance

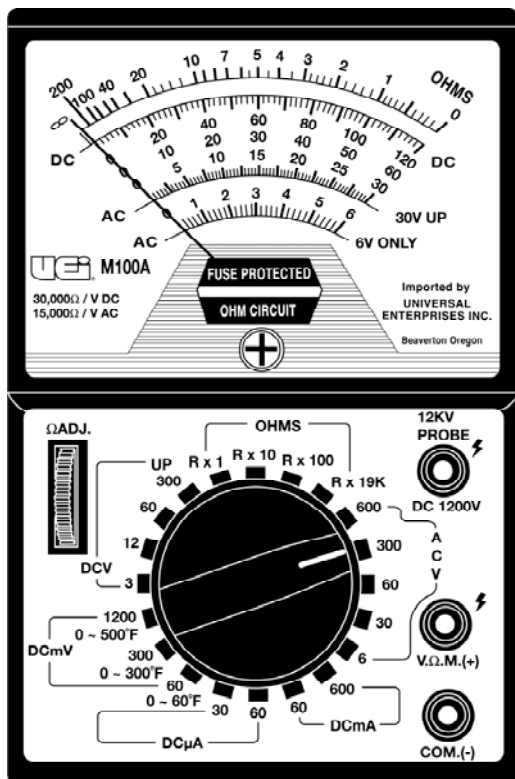


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The M110A, in addition to high-resolution voltage and ohms scales needed for electrical troubleshooting also includes the features that help you maintain and troubleshoot HVAC/R systems. Features like DC millivolts and microamps let you troubleshoot flame safeguard circuits and the millivolts function helps you evaluate heat anticipators.

## The M110A has the following features:

- 21 ranges
- 600 Volts AC and 300 Volts DC
- 2 Megohm resistance
- High resolution DC  $\mu$ A for flame safeguard testing
- DC millivolt scale allows use of adapters
- Color-coded and mirrored scale plate
- Three year limited warranty



## Specifications

Ranges	
DC Millivolts	0 - 60, 300, 1200m V
DC Volts	0 - 3, 12, 60, 300, 1200 V (0 - 12,000 V with optional probe)
DC Microamps	0 - 30, 60 $\mu$ A
DC Milliamps	0 - 60, 600m A
OHMS	0 - 200 $\Omega$ , 2K, 20K, 2M
AC Volts	0 - 6, 30, 60, 300, 600 V
Temperature	0 - 60, 300, 500°F
Accuracy	
DC	$\pm$ 3% of full scale
OHMS	$\pm$ 3% of scale length
AC	$\pm$ 4% of full scale
Temperature	$\pm$ 2 divisions
General	
Input Impedance	30K/V DC, 15K/V AC
Batteries	Two 1.5V, size "AA" (NEDA #15D) batteries One 9 V (NEDA #1604) battery
Fuse	6/10A (0.5 ohm internal resistance) 3AG series Note: To maintain calibration accuracy and instrument protection, replacement fuse must be of the proper current and resistance value.

## Optional Accessories:

Battery 1.5V, size "AA" .....	.AB1
Battery 9V .....	.AB9
Fuse 6/10A, 0.5 $\Omega$ (pkg. of 3) .....	.AF10
Test leads, (set) .....	.ATL50
Test leads, rubber (set) .....	.ATL25
Alligator clip adapters, insulated (pr) .....	.AAC
High voltage probe (12K V DC) .....	.A12K
Carrying case .....	.AC110
Temperature adapter .....	.TA2K

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