



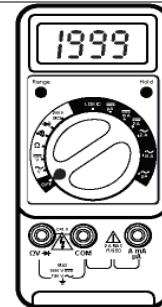
# NIDA SPECIFICATIONS



## NIDA MODEL 488 – DIGITAL MULTIMETER

### General Description

The Nida Model 488 Digital Multimeter provides the student with an instrument for measuring voltage, current, and resistance. Range selection is automatic and can also be manually selected. The Model 488 is capable of diode and continuity testing. The display is a 3 ½ digit LCD type. Measurement modes and ranges are front panel selectable and are presented by Computer Assisted Instruction (CAI), as well as the hardcopy text experiments for the Nida training programs. □



### Requirements\*

#### Display

Type: 3 ½ Digits (1999 Display Minimum)  
 Overload Indication: OL  
 Polarity: Automatic

#### DC Voltage

Range: Zero to 1000 Volts  
 Accuracy: mV  $\pm(1.0\% + 3 \text{ digit})$ , Volt  $\pm(0.5\% + 1 \text{ digit})$   
 Impedance:  $\geq 10 \text{ M}\Omega$

#### AC Voltage

Range: Zero to 750 Volts  
 Accuracy: mV  $\pm(1.3\% + 5 \text{ digit})$ , Volt  $\pm(1.0\% + 4 \text{ digit})$   
 Impedance:  $\geq 10 \text{ M}\Omega$

#### DC Current

Range: 500  $\mu\text{A}$  to 1 A  
 Accuracy:  $\mu\text{A} \pm(1.3\% + 3 \text{ digit})$ , mA  $\pm(1.3\% + 3 \text{ digit})$ , Amp  $\pm(2.0\% + 3 \text{ digit})$

#### AC Current

Range: 500  $\mu\text{A}$  to 1 A  
 Accuracy:  $\mu\text{A} \pm(1.5\% + 5 \text{ digit})$ , mA  $\pm(1.5\% + 5 \text{ digit})$ , Amp  $\pm(2.5\% + 5 \text{ digit})$

#### Resistance

Range: Zero to 20  $\text{M}\Omega$   
 Accuracy:  $\Omega \pm(1.5\% + 2 \text{ digit})$ , k $\Omega \pm(1\% + 2 \text{ digit})$ ,  $\text{M}\Omega \pm(1.5\% + 2 \text{ digit})$

#### Other Features

Overload Protection: 1000 VDC / 750 VAC  
 Diode test, Continuity Test

#### Accessories:

User Manual, Test leads

\* The requirements listed are the minimum specifications for Nida learning content that requires the use of an digital multimeter. All Nida Model 488 test equipment provided will be of equal or greater specifications.

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