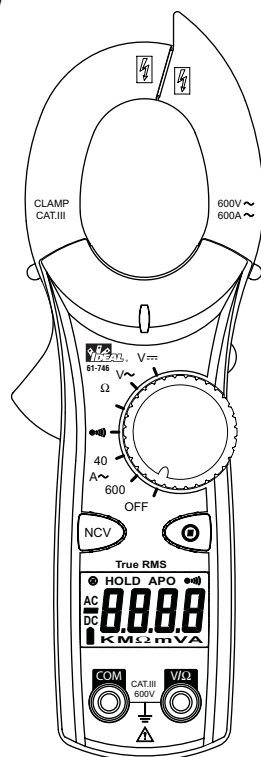




600 AAC Clamp Meter

Instruction Manual



#61-744
#61-746

WARNING

! Read First: Safety Information

Understand and follow operating instructions carefully. Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

! WARNING

To avoid possible electric shock, personal injury or death, follow these guidelines:

- Do not use if meter appears damaged. Visually inspect the meter to ensure case is not cracked and back case is securely in place.
- Inspect and replace leads if insulation is damaged, metal is exposed, or probes are cracked. Pay particular attention to the insulation surrounding the connectors.
- Do not use meter if it operates abnormally as protection maybe impaired.
- Do not use during electrical storms or in wet weather.
- Do not use around explosive gas, dust, or vapor.
- Do not apply more than the rated voltage to the meter.
- Do not use without the battery and the back case properly installed.
- Remove the test leads from the circuit prior to removing battery cap.
- Do not attempt to repair this unit as it has no user-serviceable parts.
- Replace batteries as soon as low battery indicator **+** appears to avoid false readings.
- Comply with local and national safety requirements, including the use of appropriate personal protective equipment.

CAUTION

To protect yourself, think "Safety First":

- Voltages exceeding 30VAC or 60VDC pose a shock hazard so use caution.
- Use appropriate personal protective equipment such as safety glasses, face shields, insulating gloves, insulating boots, and/or insulating mats.
- Before each use:
 - Perform a continuity test by touching the test leads together to verify the functionality of the battery and test leads.
 - Use the 3 Point Safety Method. (1) Verify meter operation by measuring a known voltage. (2) Apply meter to circuit under test. (3) Return to the known live voltage again to ensure proper operation.
- Never ground yourself when taking electrical measurements.
- Connect the black common lead to ground or neutral before applying the red test lead to potential voltage. Disconnect the red test lead from the voltage first.
- Always work with a partner.
- When using the probes, keep fingers as far behind the probe tips as possible.

Features:

- Auto/manual ranging clamp meter
 - Non-Contact Voltage (70-600VAC)
 - Measures 600 AAC Current
 - Measures AC/DC Voltage and Resistance
 - Audible continuity
 - Data hold
 - Auto Power Off
 - Low Battery Indicator
 - Compact jaws for reaching into tight spaces
 - Electronic overload protection on all ranges
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- 61-744 model is averaging sensing, rms calibrated
 - 61-746 model is true rms sensing.

Features

1. Jaw Clamp
2. Lever
3. Function Dial
4. Display (LCD)
5. Volts and resistance (V-Ω) input terminal
6. Common (COM) input terminal
7. Non-Contact Voltage (NCV)
8. Range (⦿)
9. Data Hold
10. Measuring Functions

Display Icons

11. 4000 count display
12. Units of measure
13. Voltage
14. Amperes
15. Ohms
16. Continuity
17. AC measurement is selected
18. DC measurement is selected
19. Polarity indicator for DC
20. Low battery indicator
21. Range (⦿)
22. Data hold
23. APO - Auto Power Off

Symbols on the Unit

- ⚠ Warning - read the instruction manual
- NCV - Non-Contact Voltage
- Cat III - 600V Safety category

