

HOW TO USE THE 15,000 VOLT ACCESSORY PROBE MODELS HV-2, HV-4 & HV-5

PRECAUTIONS FOR PERSONAL AND INSTRUMENT SAFETY:

1. Read these instructions thoroughly and follow them carefully.
2. Resistor must be installed in probe.
3. You will be working with dangerous levels of voltage. Therefore, it is important that you avoid direct contact with any uninsulated, current-carrying surfaces.
4. Before applying test leads to device under test, make certain:
 - a. Proper test leads are plugged into correct instrument jacks.
 - and
 - b. Multimeter selector switch is set to proper range and function.
5. Where applicable, first connection should be made to "ground".
6. Before using any electrical instrument where high voltage is involved, the unit should be checked on a known voltage to make certain it is operating properly.

AM-3B, AM-3E 15,000 VOLTS DC

For DC voltage measurement insert resistor assembly HVR-3D into the body of the HV-2 Probe with the resistor end going in first. Screw probe handle fully into probe body against the spring end of the HVR-3D.

Plug the HV-2 lead into the "+" terminal jack of the AM-3B/3E and the black AM-3B/3E test lead into the "-" terminal jack.

Set range switch to 150 volts DC.

Apply test leads to the device being measured by first fastening or touching the AM-3B/3E black test lead to the "-" or "ground" side of the circuit and then touching the "+" side of the circuit with the HV-2 probe.

Read the pointer indication on the 0-15 scale and multiply by 1,000.

AM-3B, AM-3E 15,000 VOLTS AC

Use same procedure as for AM-3B/3E 15,000 DC except use resistor assembly HVR-3. Set range to 150 volts AC.

AM-1A 15,000 VOLTS DC

Use same procedure as for AM-3B/3E 15,000 volts DC except use resistor assembly HVR-1D. Set range to 15 volts DC. Read the 0-15 volts scale and multiply reading by 1,000.

AM-1E 15,000 VOLTS DC

Use same procedure as for AM-3B/3E 15,000V DC except use resistor HVR-1ED. Set range switch on instrument to 15 Volts DC and multiply reading by 1,000.

AM-1A 15,000 VOLTS AC

Use same procedure as for AM-1A 15,000 volts DC except use resistor assembly HVR-1. Set range to 150 volts AC. Read the 0-150 volt scale and multiply by 100.

AM-1E 15,000 VOLTS AC

Use same procedure as for AM-1E 15,000V DC except use resistor HVR-1. Set range switch on instrument to 150 Volts AC and multiply reading by 100.

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 - a. Proper test leads are plugged into correct instrument jacks.
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 - b. Multimeter selector switch is set to proper range and function.
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AM-3B, AM-3E 15,000 VOLTS DC

For DC voltage measurement insert resistor assembly HVR-3D into the body of the HV-2 Probe with the resistor end going in first. Screw probe handle fully into probe body against the spring end of the HVR-3D.

Plug the HV-2 lead into the "+" terminal jack of the AM-3B/3E and the black AM-3B/3E test lead into the "-" terminal jack.

Set range switch to 150 volts DC.

Apply test leads to the device being measured by first fastening or touching the AM-3B/3E black test lead to the "-" or "ground" side of the circuit and then touching the "+" side of the circuit with the HV-2 probe.

Read the pointer indication on the 0-15 scale and multiply by 1,000.

AM-3B, AM-3E 15,000 VOLTS AC

Use same procedure as for AM-3B/3E 15,000 DC except use resistor assembly HVR-3. Set range to 150 volts AC.

AM-1A 15,000 VOLTS DC

Use same procedure as for AM-3B/3E 15,000 volts DC except use resistor assembly HVR-1D. Set range to 15 volts DC. Read the 0-15 volts scale and multiply reading by 1,000.

AM-1E 15,000 VOLTS DC

Use same procedure as for AM-3B/3E 15,000V DC except use resistor HVR-1ED. Set range switch on instrument to 15 Volts DC and multiply reading by 1,000.

AM-1A 15,000 VOLTS AC

Use same procedure as for AM-1A 15,000 volts DC except use resistor assembly HVR-1. Set range to 150 volts AC. Read the 0-150 volt scale and multiply by 100.

AM-1E 15,000 VOLTS AC

Use same procedure as for AM-1E 15,000V DC except use resistor HVR-1. Set range switch on instrument to 150 Volts AC and multiply reading by 100.