

MICROMED MM PD-8K

QUICK OPERATION GUIDE

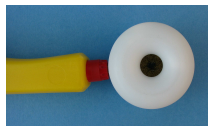
NOTE: Please read the full MicroMed PD-8K manual in detail before operating the unit. Review all warnings noted in the manual.



1. Remove the MicroMed PD-8K unit and accessories from the carrying case.
2. Take the Green ground wire and firmly insert it into the green port on the side of the base unit.
3. Insert the Red probe wire firmly into the red port on the side of the base unit.
4. Insert wire brush or LS ring or Tri-Hole electrode firmly into end of yellow handle at the end of (red) probe wire as shown below.



Brush

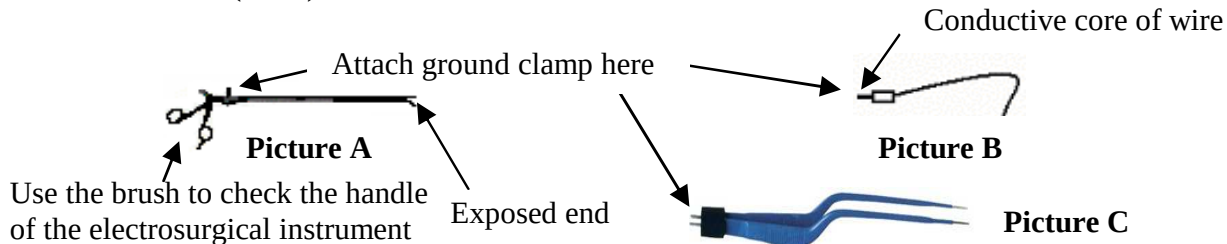


LS
Ring



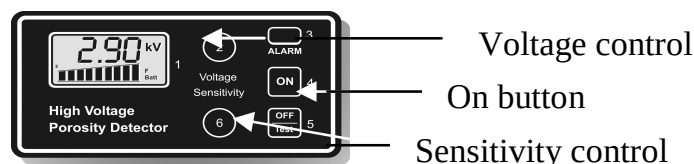
Tri-Hole

5. Attach the clamp end of the (Green) ground wire to conductive core of instrument or wire (cable) under examination. See Picture A, B and C for illustrations.



For electrosurgical instruments such as bipolar forceps use the side of the brush to find gaps or bare spots in the coating

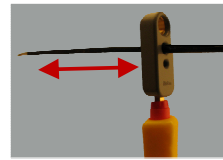
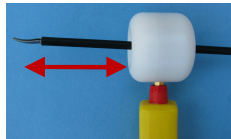
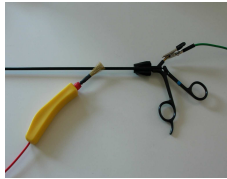
6. Push the "On" button on the front panel of the base unit until the red light appears in the unit's window.
7. **NOTE: DO NOT** simultaneously touch the brush electrode and ground clamp as it will cause a mild "tingle". Use surgical gloves as a precaution against receiving the "tingle".
8. Adjust the Voltage knob on the front panel of the base unit to the desired voltage based on the Voltage table shown in the manual. Typically around 2.3-2.5 kV for jacketed insulation and 1.0-1.5kV for powder coated instruments is acceptable. Use 4.0 -4.5kV when using the Tri-hole electrode.
9. Adjust the audible sensitivity knob on the front panel of the base unit to at least the "i" in sensitivity



10. Move the brush probe or ring or Tri-Hole electrode slowly (approximately 3 feet every 4 seconds) across the coated surface of the unit under test. The brush probe must be kept in full contact with the surface of the unit under test.

There is no need to push the brush electrode hard against the unit under test and a recommendation (but not a necessity) is to use the side of the brush not the tip.

If a fault is detected there will be a spark, a light will flash on the base unit and there will be an audible signal. NOTE: When using the electrode there will be a spark and the alarm will sound as it passes over the exposed end of the probe or wire under test.



11. In order to test various **wires or cables**, secure the unit under test to a non-conductive surface with a clamp. Keeping the brush probe in full contact but **lightly** with the insulation (jacket) of the unit, slowly (approximately 3 feet every 4 seconds) move the probe the length of the wire or cable. Turn the wire or cable on the opposite side, re-clamp and test this side.
12. After the test is completed turn the base unit off and remove the clamp end from the unit under test, remove the electrode from the probe wire and remove the ground wire and probe wire from the base unit. Properly store the unit and accessories away.

NOTES:

- A. The unit should always be switched off prior to removing or repositioning of the ground lead.
- B. If you touch the ground lead (clamp end) and the probe end of the MicroMed PD-8K at the same time you will receive a very mild “tingle”. To remove the possibility of receiving the “tingle” always use surgical gloves when handling the leads.
- C. The Brush Electrode should be used with **light** brush strokes. The side of the brush may be used for better results but **do not** press down hard.
- A. When using the Tri-Hole electrode you may hold the yellow handle steady and push the round instrument slowly through the designated hole. The inside of the hole on the electrode must be kept in full contact with the surface of the unit under test. **Set Voltage for this electrode at 4.0-4.5kV. Hole sizes are slightly larger than 3mm, 5mm and 10mm from bottom (pin side) up.** You may not see the actual spark as it will be on the inside of the hole.
- D. Read the Full Operator’s Handbook in detail and always use caution when operating the MicroMed PD-8K.

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