

QUICK OPERATION GUIDE

Wire Tester P/N MMWIT-200

NOTE: Please read the full MM PD-8K manual or MM513 manual in detail before operating the unit. Review all warnings noted in the manual.

The MMWIT-200 Wire Tester (WT) is used in conjunction with the MM PD-8K system or the MM513 which are non-destructive, non-patient contact, high voltage insulation tester designed to test the insulation integrity of electrosurgical instruments.

USE Surgical or other type of gloves while operating this unit.

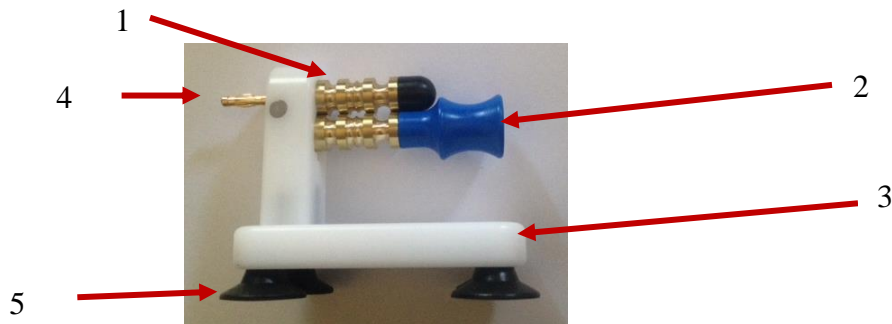


Figure 1

1. Top Drum with Black cap
2. Bottom Drum Spring Loaded with Blue Handle
3. Base
4. Connection pin
5. Suction feet

SETUP: Preference is for a metal surface or other type of surface where the suction feet will adhere to.

- 1) Push on the top of the WIT until the suction feet are secure.
- 2) Connect the HV Red wire to the MMPD-8K base unit's red port, connect the yellow handle's red port to the connection pin (#4). The HV red Wire is an option to the MM513 kit.
- 3) Connect the earth (ground) green wire to either the MMPD-8K or MM513 base unit's green port
- 4) As much as possible lay the wire that will be tested on a flat surface and flatten it out.
- 5) Attach the alligator clamp at the end of the earth wire to the exposed end of the wire to be tested. For a duplex wire make sure that the alligator clamp is attached to BOTH conductive cores.
- 6) Separate the drums by pulling down on the blue handle (#2) so that the top drum comes to a stop (see figure 2)

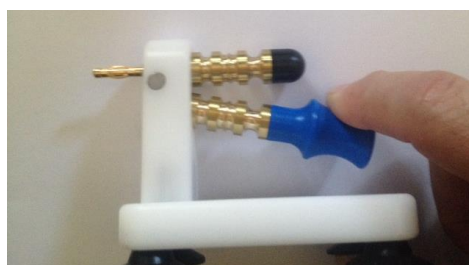
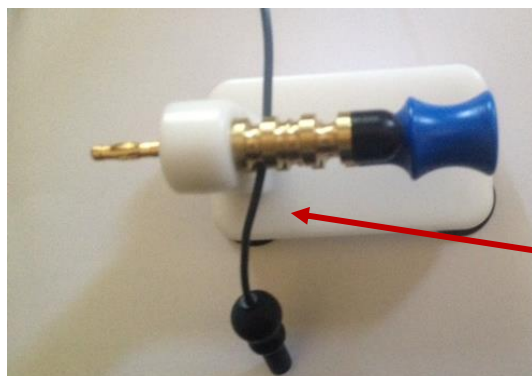


Figure 2

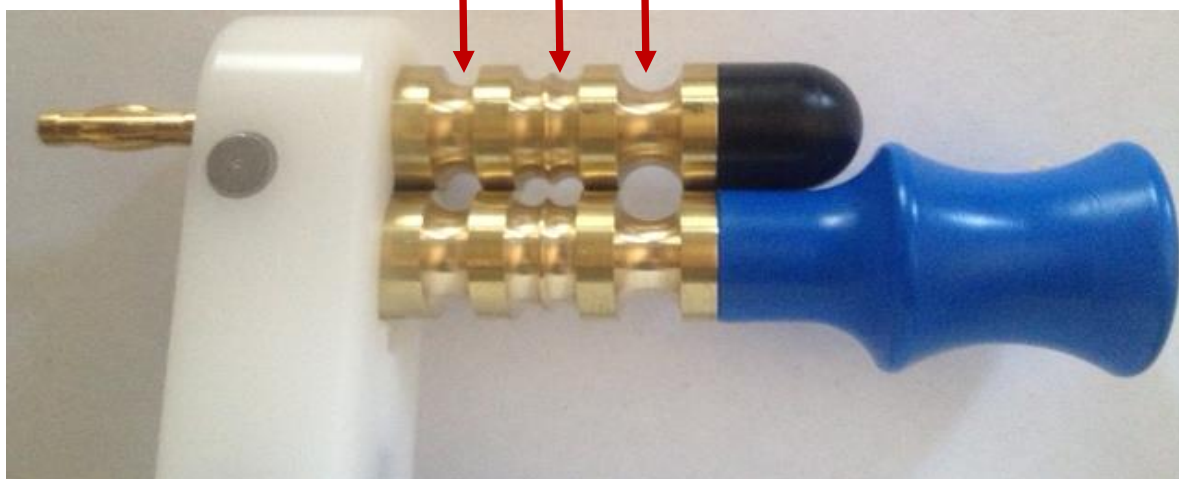
- 7) Insert the wire to be tested into the appropriate slot according to the diameter of the wire. The slots are 4.0mm (on the pin side #4), duplex 3mm (middle) and 5.5mm (near the handle). See the table for wire to slot size.



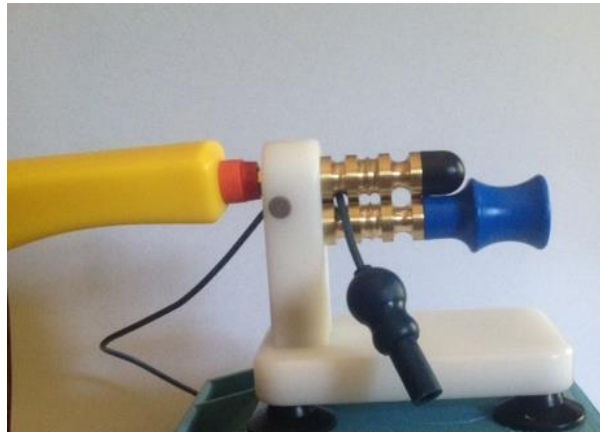
ESI wire in Slot #1

Wire Size in mm	Slot to use
1.5 to 3.0	2 (only one of the duplex sides)
3.1 to 4.0	1
4.1 to 5.5	3
Duplex wires to 6.0mm total diameter or max of 3.0 each	2 Center the wire between the two slots

Slots	1	2	3
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- 8) The Blue handle is spring loaded and will close against the top drum #1. Make sure the wire remains in the designated slot during the test



9) **MAKE SURE YOU ARE USING GLOVES**

- 10) Turn the MMPD-8K or MM513 base unit on and set the kV to $4.2\text{kV} \pm 0.3\text{kV}$
- 11) Hold both end of the wire and slowly pull the wire through the slot. You can move the wire either forward or back during the test.
- 12) If the Alarm sounds and the LED lights up then the wire has a pinhole or crack through to the conductive core.
- 13) NOTE: THE MMWIT-200 will ONLY locate and identify defects that are through to the core and ONLY for wires which are defined as a conductive core (usually copper) with a jacket covering the core, THIS DEVICE WILL NOT TEST CABLES (conductive core, dielectric, shield and outer jacket or any wire that does not have a jacket directly over the core)
- 14) If desired you can pull the wire back through the slot to re-check the jacket.
- 15) After the test has been completed. Turn the MMPD-8K off
- 16) Separate the drums by pulling down on the blue handle (#2) and removing the wire.
- 17) Remove the wire that was tested (follow proper facility procedure for disposition or re-use of the wire)

NOTES:

- A. The MMPD-8K or MM513 should always be switched off prior to removing or repositioning of the wire under test.
- B. If you do not use gloves you may receive a slight shock or “tingle” when touching the exposed core of the wire and the conductive parts of the WIT.
- C. Read the Full Operator’s Handbook for the MMPD-8K or MM513 in detail and always use caution when operating either unit.
- D. THE MMWIT-200 has been designed to be used ONLY with the McGan Insulation testers and no assurance that it will function properly with other insulation testing units.
- E. When using with the MM513 unit you need the MMRWP-0006 HV red wire which is optional to the kit

Instructions for cleaning and sterilizing the MMWIT-200 Components:

Base Unit (white) and Blue Handle:

Dab a soft cloth in alcohol and wipe down base unit.

Caution:

DO NOT saturate the cloth

Red HV Wire/Green Ground Wire:

Use an alcohol swab and wipe both the red and green wires, including the mini-handle (yellow) on the red HV wire.

Caution: DO NOT get alcohol in/near red port on the top of the mini-handle.

DO NOT use a saturated cloth

Brass Drum:

Dab a soft cloth in alcohol and wipe down base unit.

Caution:

DO NOT saturate the cloth

Caution: DO NOT use a chemical sterilization method

DO NOT Steam Sterilize unit.

Thoroughly, DRY all areas before using the components

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