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.

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)
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.

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

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![ESI wire in Slot #1](image)

![Wire Size Table](image)
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 4.2kV ± 0.3kV
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