



Dome Test for Catheter

System for measuring resistance and current of a catheter.


Contacting system for microelectrodes of a catheter.



Made in USA



SAFETY INSTRUCTIONS

Follow the advertences and warnings of the present manual preceded by the following signs.

	WARNING: Indicates that the user must pay special attention
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	<p>Improper connection, tampering or handling can cause serious injury or fire hazard. Maintenance of this equipment. Avoid tampering with the equipment while it is connected to supply.</p> <p>Read the manual before connecting the equipment. Follow all instructions for installation and maintenance of equipment throughout its life. In particular, observe the installation regulations specified in the National Electrical Code of your country.</p> <p>If the installation of the equipment is carried out in areas where there are high voltage equipment (HV), the personnel who manipulate equipment in the area must be trained and authorized to carry out actions in facilities.</p>
	<p>To use this equipment safely, it is essential to follow the recommendations contained in the electrical codes and regulations of the country in which you are installing the equipment.</p> <p>If the instructions preceded by this WARNING symbol are not followed.</p>

LIABILITY LIMITATIONS

Reserves the right to make changes, without prior notice, to the devices or equipment specifications shown in this manual.

RECOMMENDATIONS PRIOR TO USE

It is important to only use the original cables and connection accessories that are delivered together with the equipment. These products are specially designed for use with this equipment and comply with current standards, safety standards.

The equipment manufacturer is not responsible for any damage resulting from failure by the user or installer to heed the warnings and/or recommendations established in this manual, nor for damage resulting from the use of non-original products or accessories or those from other manufacturers.

Inspect work area before installation. Avoid using the device in humid areas.

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1. Content

- Voltage Adapter
- Connector cables for tests and test boxes.

2. Features

- AC/DC Adapter 12Volts
- Voltage – Input (100 - 200 VAC)
- Voltage – Output 12V
- Measurement tests on the thermocouple (TC) and catheter microelectrodes.
- An LED indicator that the machine ON
- Three LED indicators detecting microelectrode.

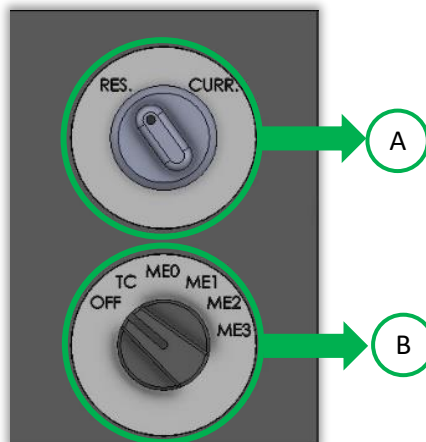
3. Information

1. On the right side there will be four jack connectors for the thermocouple terminal, common terminal, microelectrode terminal, and manual microelectrode terminal.
2. Two jack connectors connect the multimeter (in resistance mode).
3. Two jack connectors connect the test box (in current mode).



3.1 Selectors

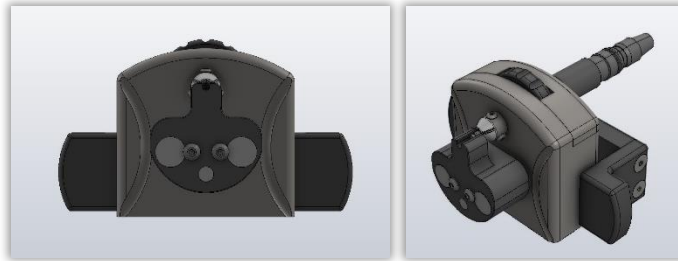
- A. The primary selector has the function of selecting resistance and current.
- B. The second selector will select the test to which the resistance and current measurement will be carried out.



3.2 Microelectrode fixture

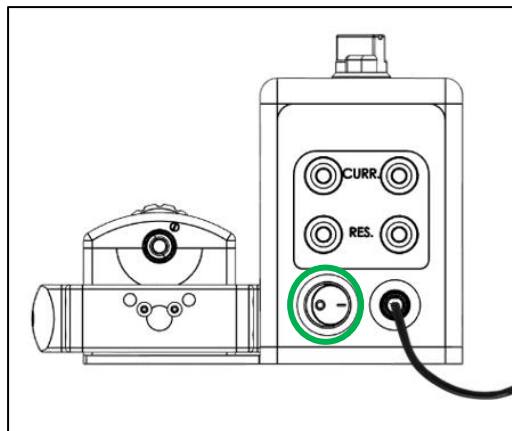
Microelectrode fixture for measuring resistance and dome current, which has 4 retractable pins for contact with the dome.

- THREE LED indicators for detecting microelectrode alignment.
- It has 4 retractable pins for contact with the dome.



4. Power Machine

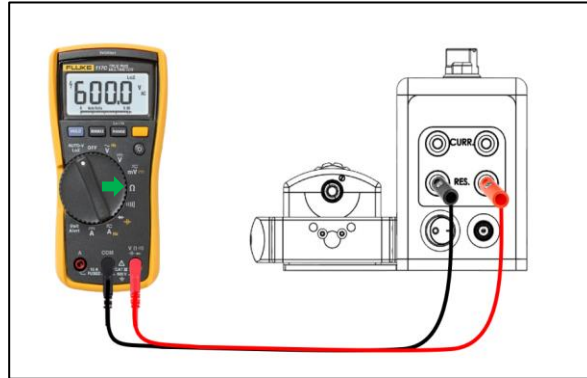
1. To turn on the machine you must connect the power to the machine and the light.
2. On the back button press ON.



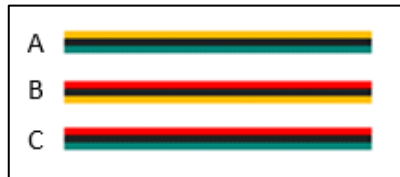
5. Start procedure

5.1 Thermocouple (TC) Resistance Test

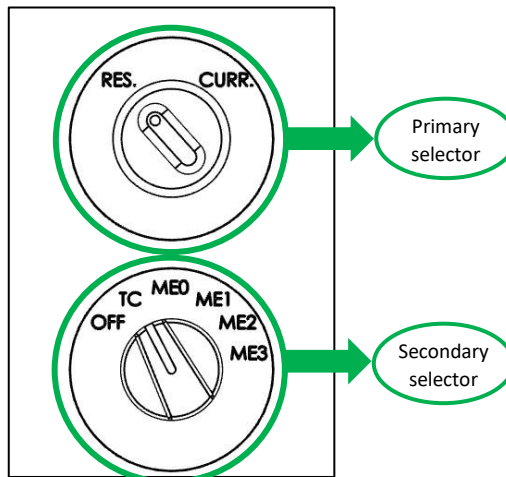
1. We connect the negative terminal (black cable) to the COM input, and the positive terminal (red cable) to the input with the V symbol (voltage).
2. To begin the measurement, we must move the multimeter selector to the Ohms(Ω) function.



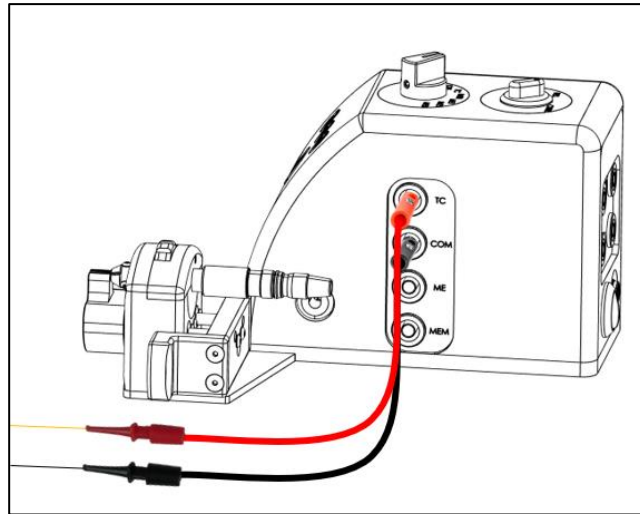
3. Identifies the catheter thermocouple wires by section TC-A, TC-B, and TC-C.



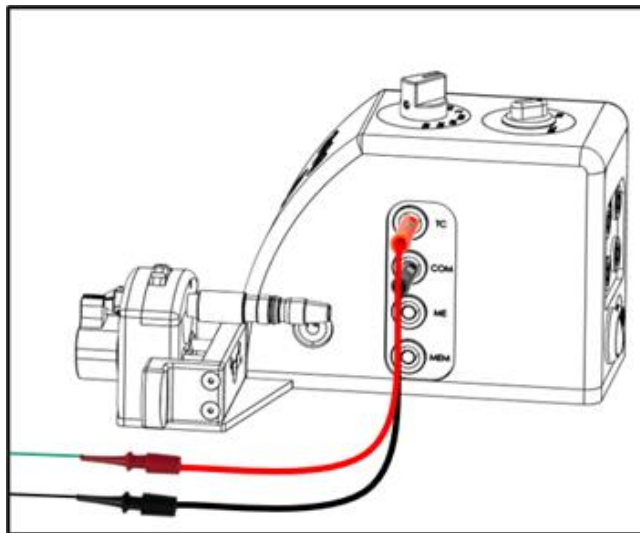
4. Move the secondary selector to the "TC" position. You should remain in this position until the end of the CT tests.
5. Move the primary selector to the "Res" position.



6. Once the TC-A cables have been identified. Take the tips of the hooks, and place the two TC-A DISTAL cables (GOLD-BLACK).



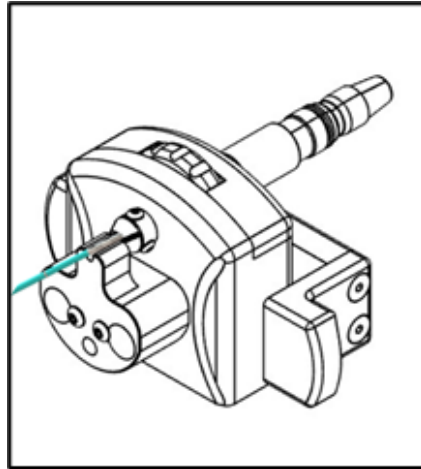
7. Place the two TC-A PROXIMAL cables (GREEN-BLACK).



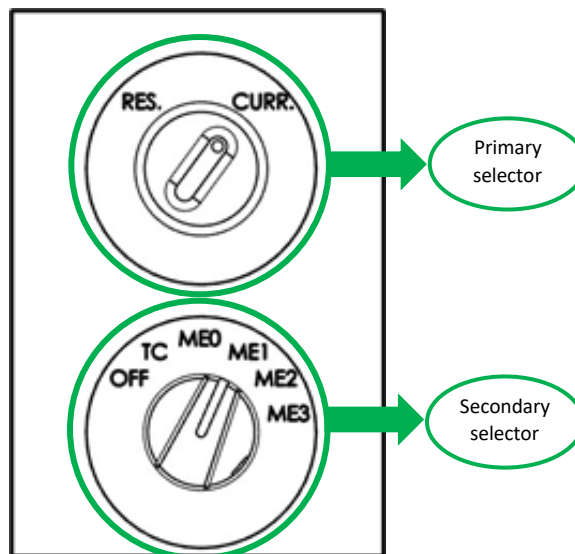
8. Repeat steps five and six with sections TC-B and TC-C.

5.2 Microelectrode Resistance Test

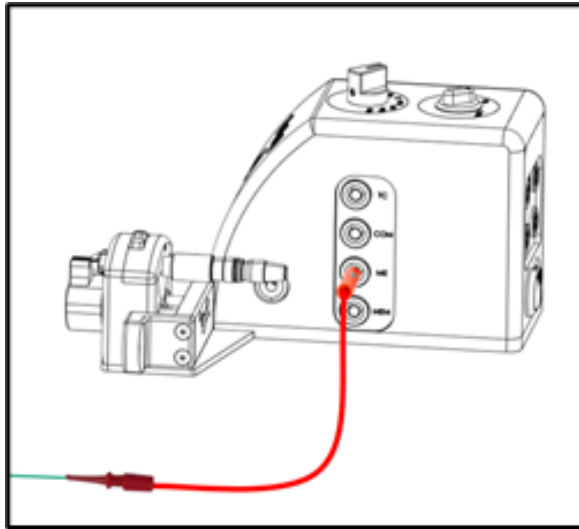
1. For this test, the multimeter must be kept connected and the tip of the catheter must be inserted into the fixture for contact with the microelectrodes.



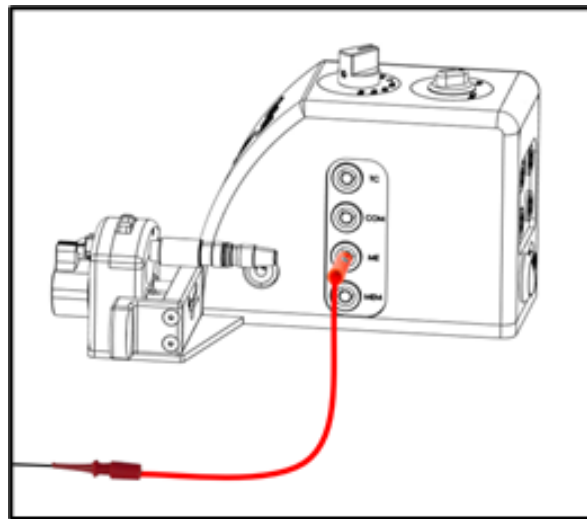
2. The primary selector will remain in the "Res" position.
3. Move the secondary selector to the ME1 position.



4. Take the hook tip of the connector along with the ME1 cable.



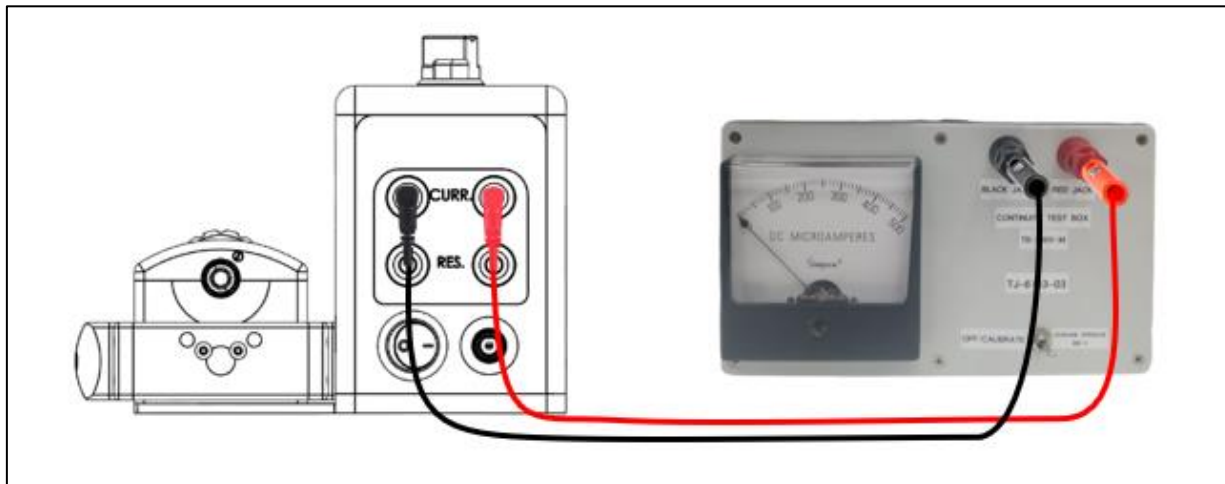
5. Move the secondary selector to position ME3.
Take the hook tip of the connector along with the ME3 cable



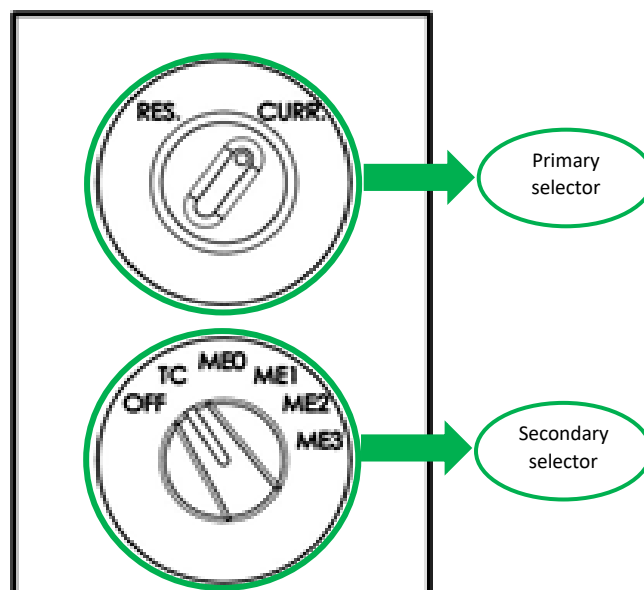
6. Return the secondary selector to OFF.
7. Return the first selector to its initial position

5.3 TC to Dome Leakage Test

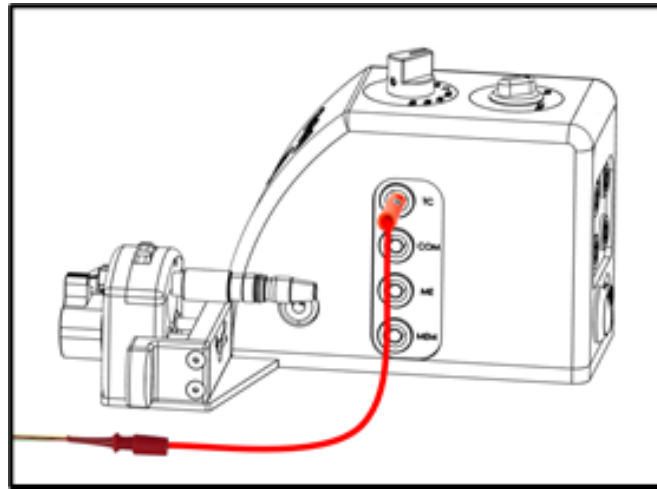
1. We connect the test box, the negative terminal (black cable) to the BLACK JACK input, and the positive terminal (red cable) to the RED JACK input.



2. Move the first selector to "CURR".
3. Move the secondary selector to the "TC" position.



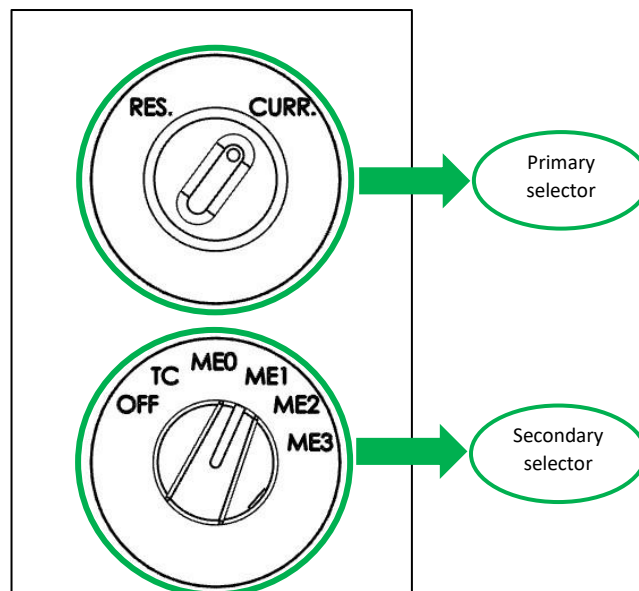
4. With the hook tip, take the 9 TC cables to measure if there is a short or a leak between the Thermocouple and the Dome.



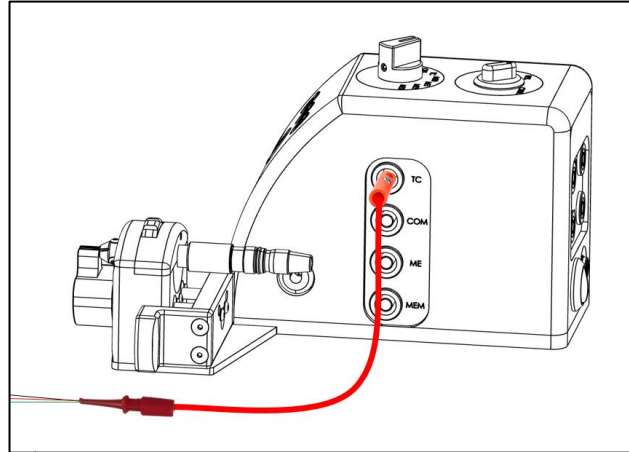
5. Return the secondary selector to OFF.
6. Return the first selector to its initial position.

5.4 ME to Dome Leakage Test

1. Keep the test box connected for the next test.
2. Move the first selector to "CURR".
3. Move the secondary selector to the "ME1" position.



4. With the hook tip, take the 3 M.E. cables to measure if there is a short circuit or leak between the Microelectrodes and the Dome.



5. Return the secondary selector to OFF.
6. Return the first selector to its initial position