

Instruction Manual for the LS3W9073 Test Leads for use on 18th Edition Multifunctional Installation Testers

Thank you for selecting the LS3W9073 3-wire lead set for use with Multifunctional Installation Testers. This guide will assist you in the understanding and use of the test leads effectively for accurate electrical testing and installations. Please review these instructions thoroughly before operation.

Package Contents:

- Red, Green and Blue Test leads
- Crocodile Clips
- Test Probes
- User manual
- Adapters or accessories (if included)

Safety Precautions:

1. **Device Compatibility:** Ensure the test leads are compatible with your specific multifunctional installation tester model.
2. **Power Off:** Prior to connecting the test leads, turn off power to the circuit or system under test.
3. **Inspection:** Regularly inspect the test leads for any signs of wear, tears, or exposed wires. Replace damaged leads immediately.
4. **Proper Handling:** Handle the test leads carefully, holding them by the insulated portion, and avoid contact with live wires.
5. **Correct Configuration:** Verify that the leads are securely connected to the appropriate terminals on the tester.

Using the Test Leads:

1. **Preparation:** Familiarise yourself with the different test lead terminations and their designated functions on your installation tester.
2. **Attachment:** Connect the test leads to the corresponding sockets or terminals on the tester, ensuring a secure fit.
3. **Selection of Test Method:** Choose the specific test method or function on the installation tester depending on the measurement required (e.g., continuity, insulation resistance, earth loop impedance).

4. **Lead Configuration:** Determine the appropriate lead configuration based on the test being performed, such as 2-wire or 3-wire testing.

Typical Testing Procedures:

1. **Continuity Testing:**

- Set the tester to the continuity function.
- Connect the test leads to the points being tested (e.g., conductors, terminals).
- Follow the instructions provided by the tester to initiate the continuity test.

2. **Insulation Resistance Measurement:**

- Set the tester to the insulation resistance function.
- Connect the test leads to the appropriate terminals.
- Follow the tester's instructions to perform the insulation resistance measurement.

3. **Earth Loop Impedance Testing:**

- Configure the tester for earth loop impedance testing.
- Connect the test leads as per the specific requirements for the test (e.g., connecting to line and earth terminals).
- Execute the test based on the instructions provided by the tester.

Maintenance and Storage:

1. **Cleaning:** Keep the test leads clean by wiping them with a dry cloth after use.
2. **Storage:** Store the test leads in a suitable case or pouch to prevent damage and tangling.
3. **Temperature and Moisture:** Store the test leads in a dry and moderate temperature environment to prolong their lifespan.

Troubleshooting:

- If the tester does not respond or provides unexpected readings, recheck the test lead connections and ensure they are properly seated.
- Verify the integrity of the leads and inspect for any physical damage that may affect performance.

For detailed operational instructions and troubleshooting specific to your 18th Edition Multifunctional Installation Tester, refer to the user manual or contact the manufacturer's customer support for further assistance.

Accurate and reliable testing depends on the correct usage and maintenance of the test leads. Utilise them safely and effectively for precise electrical measurements and installations.

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