

WHEN SAFETY COUNTS



TM-2 SOLID STATE
ELECTRONIC
IGNITOR TESTER
Patent Pending

- **SAFE**
- **EASY**
- **ECONOMICAL**

mitco MFG.

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2 **WARRANTY PROTECTION**
YEAR

QUESTION:

What's the best method of accurately, quickly and safely testing solid state electronic ignitors?

ANSWER:

Use the TM-2 Electronic Ignitor Tester. The TM-2 is the latest in a long line of cutting-edge products developed by Mitco.

THE TM-2 IS THIS EASY TO USE!

Simply place the TM-2 on the ignitor cover and activate the burner. In less than 1 second, a flashing red light will indicate if the ignitor is good.

ADVANTAGES:

- No disassembly of ignition system required.
- No exposure to high voltage connections.
- Solid state accuracy - no misleading meter reading or interpretation.
- Works on all solid state oil ignitors and Riello Gas ignitors.

TM-2 ELECTRONIC IGNITOR TESTER User's Guide

Description

The TM-2 Electronic Ignitor Tester was developed to test today's new high voltage (greater than 10,000 volts) solid state electronic ignitors. This state-of-the-art instrument tests solid state electronic ignitors under normal operating conditions. The service technician is not exposed to dangerous and potentially deadly high voltage when using the TM-2, because the ignitor can be tested without operating the ignitor.

Since the TM-2 tests electronic ignitors that are still connected, it's ideal for use on those that can not be disconnected, as in the case of Riello brand ignition systems.

Note: the TM-2 is not designed for use on older, iron core transformers. For ignition systems from 6,000 to 10,000 volts, use the TM-1 Ignition Transformer Tester.

Self Test

Push and hold the test switch. A flashing red light indicates that the battery and electronic circuitry are functioning properly. If the light does not flash, replace the 9 volt battery.

Operation

Shut down the burner. Hold or place the tester in contact with the cover of the electronic ignitor. Start the burner according to the manufacturer's recommendations. The red light on the TM-2 will begin flashing, indicating that the electronic ignitor is functioning.

The TM-2 will continue to flash as long as the ignition is energized. This feature permits the technician to determine if the interrupted duty ignition is functioning properly. It also allows the technician to test certain gas burners using similar ignitors (i.e.: Riello).

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If the TM-2 light fails to flash, check all wiring and connections to make sure that the required voltage is available and that the connections are good. If the light still fails to flash, the electronic ignitor is faulty and requires replacement.

Note: This test checks only the electronic ignitor. Ignitor input leads, porcelain and ignitors should be examined for cleanliness, cracks and proper adjustment. If the ignitor and cad cell are one unit, called a primary control, check to make sure that the burner has not gone out on safety, indicating a possible faulty cad cell.

Terminology

Intermittent duty ignition:

Runs simultaneously with the burner, during the entire time that the burner is running.

Interrupted duty ignition:

Comes on to light the flame, and once the flame is established, the ignitor is turned off and the flame keeps burning.