

**UNIVERSITY OF ROCHESTER
ENVIRONMENTAL HEALTH & SAFETY**

Policy No.: FS039	Approved by: Mark Cavanaugh
Title: Testifire Detector Testing Equipment	Date: 6/30/2022
Revision No.: 3	Page 1 of 3
Prepared by: Justin Carlson	Reviewed 6/30/22 – No changes.
EH&S Department Use Only: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	UR Website: <input checked="" type="checkbox"/> Public <input type="checkbox"/> Restricted

I. PURPOSE

This procedure establishes the steps required to use the Testifire Multi-Stimulus Detector Tester.

II. PERSONNEL AFFECTED

Fire Safety Specialist
Fire Safety Inspector II

III. DEFINITIONS – N/A

IV. RESPONSIBILITIES

The operator is responsible for the proper operation and care of this equipment. See the equipment instruction manuals for full details.

V. PROCEDURES

1. The Fire Safety Specialist or Fire Safety Inspector II shall contact Public Safety Dispatch (X5-3333) or Central Monitor Station and advise them of the testing and the location. Also notify Facilities Dispatch (X3-4567) and advise them of the testing and the location.
2. Ensure the Testifire smoke and/or carbon monoxide test cartridges are installed in the detector. Reference the equipment quick start guide for details on proper installation for these cartridges.
3. Ensure the battery sticks are charged and installed properly. Reference the equipment quick start guide for details on proper installation for the batteries and charging operations.
4. Insert the battery stick into the Solo testing pole (single or extension) and ensure the locking tab engages.
5. When ready to test, press the RED power button on the test head. This will power the equipment. The digital readout will indicate the three (3) devices the system can test- SMOKE, HEAT or CO. An arrow will be shown to the left of whichever device is set to be tested.
6. Press the UP or DOWN arrow keys below the display to select which device needs to be tested. Reference the equipment quick start guide for details on single or sequential detector testing and program set-up.

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7. LED lights will indicate the status of the test equipment. There is a “test type” light on the left of the display and a “status” light on the right of the display. The lights are located at the base of the test head cover. Reference the equipment quick start guide for details on the LED reference chart.

8. Once the device type is selected, press the test cone to the ceiling around the device and the system will automatically perform the required test. Verify the device operated by checking the LED light for the device and/or verifying activation at the panel. Remove the test equipment when the device is activated and the equipment will return to a stand-by mode until the next test.

9. There is an inner cover that can be removed from the test cone for longer shaped detectors. Only remove the cover for those devices. Most devices should fit in the cone with the cover in place.

10. Press the down arrow to select clear. Clear will turn on a fan and clear the sensing chamber of any smoke, heat or CO upon completion of the test.

11. On the detector display screen, the charge of the smoke cartridge, heat sensor settings and charge of the CO cartridge can be monitored by moving the arrow to Status and pressing the green button below. The Clear feature does not have a status to monitor. Use the “X” key to return to the previous screen.

12. For CO detectors that cannot fit the Testifire cone, the inspector can use a can of Solo CO spray testing aerosol instead.

13. Heat detectors will test in the same manner that smoke detectors do. When testing non-restorable heat detectors, do not use the heat function on the tester. These devices need to be tested with a jumper wire. Using heat will require the device be replaced.

14. Turn off the test head when not testing to save battery power. The device does have a “standby” mode for in-between devices, but the device does not shut off.

15. Have spare battery stick on charge in fire panel room so testing can continue when the first battery becomes discharged.

VI. REFERENCES

Testifire Multi-Stimulus Detector Test User Manual – on CD in FSU Library.

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VII. APPENDICES/FORMS – N/A

VIII. REVISION HISTORY

Date	Revision No.	Description
11/23/2011	New	Initial development of policy
7/6/2012	1	Added item #12 to Section V
6/21/2016	2	Review of document & added Fire Safety Inspector II
6/6/2019	3	Triennial Review
6/30/2022	N/A	Triennial Review – no changes.