SMOKE HEAT CO REPORTING&CONTROL

TESTING TECHNOLOGY

testifire®

MULTI-STIMULUS DETECTOR TESTER

testifire® is the world's first multi-stimulus detector tester for smoke, heat, and CO fire detectors. This enables faster and more efficient testing of single or multi-sensor detectors. Testifire includes an array of advanced and intelligent technologies that change traditional approaches to stimuli production and delivery. It also has the facility for an optional RFID and Bluetooth™ report and control module. Testifire is the result of several years of technological development to meet 21st century health, safety, environmental and technological demands.

Speed / Productivity & Cost Benefits

- Testing with one tool is faster and more productive
- Combined stimuli (e.g. Smoke + Heat) delivers quicker activation times for combination detectors
- Simultaneous stimuli can cut test times in multi-sensors by up to 66%*
- Clearing cycle provides rapid detector reset with no repeat alarm
- Heat Detector test times reduced through enhanced deployment of heat and wider range of temperature settings
- Increased test capacities from both Smoke and CO capsules deliver material cost savings
- RFID module enables auto-configuration - automatically selecting and implementing appropriate test for detector in question
- Open protocol Bluetooth / RFID links tester to 3rd party PDA-based reporting software, simplifying procedures, eliminating errors and cutting test times

* *If the detector and panel can enable and verify individual sensor activation*

Technological Benefits

- Optimised smoke delivery method enables activation of complex detectors: the sole functional test method of triggering such detectors
- Ability to perform "witness" tests for the first time on smoke or multi-sensor detectors with complex and / or interdependent algorithms
- Ability to upgrade future smoke, heat or CO profiles through firmware updates

Physical Benefits

- One tool instead of two or three makes service tasks simpler and quicker to accomplish on site

Image Benefits

- Professional and technological image sets service organisation apart from the competition

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Residue / Damage Elimination Benefits

- Design eliminates possibility of residue and detector damage through misuse

Health, Safety & Hazard Benefits

- Elimination of pressurised canisters for both smoke and CO delivers safety benefits and reduces transport costs though elimination of hazardous surcharges
- On-demand CO generation and safety features deliver optimum safety for CO testing
- Safe, non flammable, non toxic, plastic compatible test stimuli backed up with CHIP3 compliance

Environmental Benefits

- Replacing pressurised aerosols with smoke and CO capsules addresses concerns over global warming (GWP) and Volatile Organic Compounds (VOCs) while retaining safe, non-flammable test stimuli

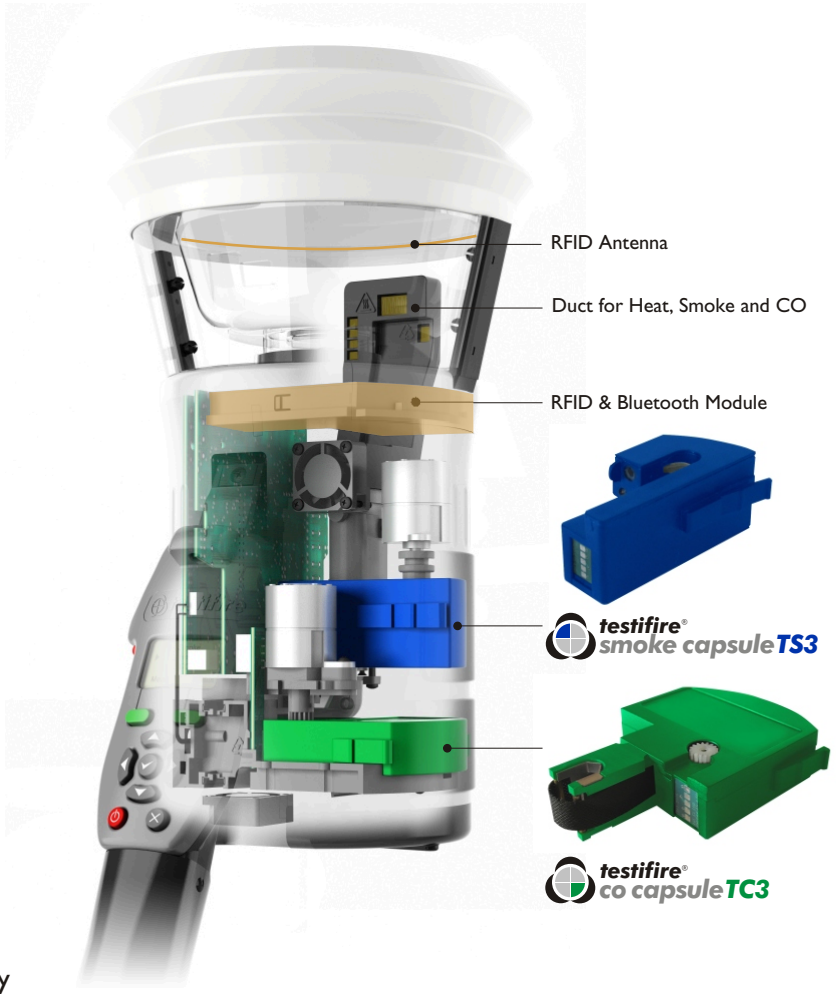
Compliance & Audit Trail Benefits

- Ability to test all popular types and / or combinations of fire sensor delivers cost effective compliance with global test standards
- RFID and Bluetooth module delivers documented traceable reports (stored, if desired, on the RFID Tag as well as on 3rd party software)

Universal Benefits and Approvals

- Suitability for use on Smoke (optical, dual optical, ionisation), Heat (rate of rise, fixed temperature), CO, Multi Sensor, Conventional, Addressable and Intelligent detectors from global manufacturers means one test instrument meets every need
- CE, EMC, RoHS, and WEEE, compliance from the world's only ISO 9001 listed specialist fire detector tester manufacturer
- Tested, approved and recommended for use by world leading detector manufacturers

- **4 in 1: Smoke - Heat - CO - RFID** (Bluetooth™ to PDA)
- **Multi or single-sensor tester**
- **Simultaneous, consecutive or single stimuli**
- **Ultimate link between detector, tester and reports**



Smoke, Heat and CO stimuli are created in a single test unit, and delivered individually, or - for the first time - simultaneously, in whichever combination is required. Testifire does this without using pressurised cans of gas or hazardous media. Stimuli (Smoke, Heat, and CO) are generated at the time of test using safe and patented processes fuelled by replaceable capsules.

Testifire can provide reporting and control intelligence through an optional RFID and Bluetooth™ module. Additionally it is capable of automatically implementing the right test for the detector, and integrating with third-party software based reports for documented traceablity. It saves time, simplifies procedures and eliminates errors.

International Standards

Testing with Testifire aids compliance with codes and standards globally.

"Point smoke detectors should be functionally tested by a method that confirms that smoke can enter the detector chamber and produce a fire alarm signal (e.g. by use of apparatus that generates simulated smoke or suitable aerosols around the detector). It should be ensured that the material used does not cause damage to, or affect the subsequent performance of the detector..."
BS 5839 Part 1:2002 Clause 45.4 d:

"In the case of detectors (all types) tests must ensure that products of combustion are capable of passing unhindered from the protected area to the sensing chamber/elements of the detector and not simply test the ability of the detector to sample/verify the status of the atmosphere already in the sensing chamber."
BS5839 1: 2002 Clause 45.3 December 2004 update

"Carbon Monoxide fire detectors should be functionally tested by a method that confirms that carbon monoxide can enter the detector chamber and produce a fire alarm signal "
BS5839 1: 2002 Clause 45.4 (d) December 2004 update

"The detectors shall be tested in place to ensure smoke entry into the sensing chamber and an alarm response."
NFPA 72 2002 Table 7-2.2 (Test Methods)13.g.1

"100% of all installed system components must be tested and, in the case of automatic fire detector tests, the alarm be triggered by simulating the characteristics of the fire at the detector."
DIN 14675:2006-12

Anticipated Availability

Testifire is anticipated to be available in the final quarter of 2007 without prior listing from third party listing organisations. Timing of listed product will depend on such third parties. Please verify progress before specifying / ordering.

Testifire® is a registered trademark.

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International Patents Apply

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Part Numbers

Testifire Kits

Testifire 1001 - Smoke and Heat Detector Test Kit
(supplied as a complete kit with Battery Batons and Fast Charger)

Testifire 1101 - Smoke and Heat Detector Test Kit with RFID / Bluetooth Module
(supplied as a complete kit with Battery Batons and Fast Charger)

Testifire 2001 - Smoke, Heat and CO Detector Test Kit
(supplied as a complete kit with Battery Batons and Fast Charger)

Testifire 2101 - Smoke, Heat and CO Detector Test Kit with RFID / Bluetooth Module
(supplied as a complete kit with Battery Batons and Fast Charger)

Individual Components

Testifire 1000 - Smoke and Heat Detector Tester Head Unit only

Testifire 1100 - Smoke and Heat Detector Tester head unit with RFID/Bluetooth module only

Testifire 2000 - Smoke, Heat and CO Detector Tester Head Unit only

Testifire 2100 - Smoke, Heat and CO Detector Tester head unit with RFID Bluetooth module only

Testifire 100 - RFID module

Replacement Capsules

TS3 Smoke Capsule
TC3 CO Capsule

Additional Items

Solo760 Battery Baton
Solo725 Universal Fast Battery Charger

As our policy is one of continuous improvement, details of products described within this publication are subject to change without notice. All information provided here is believed to be correct at the time of going to press. Every effort has been made to ensure the accuracy of information which is provided in good faith but nothing contained herein is intended to incorporate any representation or warranty, either express or implied or to form the basis of any legal relations between the parties hereto, additional to or in lieu of such as may be applicable to a contract of sale or purchase.

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