

# WBJ-10 Testfire smoke/heat detector test kit

All fire detection systems  
Product Datasheet

## Features

- Testing with one tool is faster and more productive
- Combined stimuli can cut test times in MultiSensors by up to 66 %
- Clearing cycle provides rapid detector reset with no repeat alarm
- Increased test capacities from capsules deliver material cost savings
- Ability to test a wider range of heat detectors with enhanced deployment of heat and multiple heat settings
- 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 MultiSensor detectors with complex and/or interdependent algorithms
- Ability to upgrade future smoke or heat profiles through firmware updates
- Design eliminates possibility of residue and detector damage through misuse
- CE, RoHS, and WEEE compliant
- Produced by the world's only ISO 9001 listed specialist fire detector tester manufacturer



## Description

Testfire is the world's first multistimulus detector tester for smoke and heat fire detectors. This enables faster and more efficient testing of single or MultiSensor detectors. Testfire includes an array of advanced and intelligent technologies that change traditional approaches to stimuli production and delivery. Testfire is the result of several years of technological development to meet 21st century health, safety, environmental, and technological demands.

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

Testfire smoke/heat detector test kit consists of a smoke/heat head unit, 1 smoke capsule, battery baton, and fast charger. The smoke capsule is replaced when empty.

Technical specifications	
Suitable detector types	Optical and ionisation smoke detectors Heat detectors MultiSensors Conventional, analogue addressable, or interactive detectors of any of the above types.
Test modes	<b>Smoke:</b> generated internally through replaceable capsules and blown into the detector. <b>Normal Heat:</b> to test rate-of-rise and fixed temperature heat detectors up to 90°C (194°F). <b>Hi Heat:</b> to test rate-of-rise and fixed temperature heat detectors up to 100°C (212°F). <b>Clearing:</b> clean air is blown to remove previously applied smoke. <b>Simultaneous Testing:</b> Smoke and heat in any combination as programmed by the user is all carried out in one test. <b>Sequential Testing:</b> Tests are performed according to the order that the user has programmed them.
Operating features	Colour coded LED user feedback. Adjustable multi-position head. Automatic test initiation (infra red beam senses when cup is placed over a detector).
Safety features	Battery over-current cut out. Default 2 minutes maximum test duration timeout. Auto power off after 5 minutes of non-use.
Power source	Battery Baton: nominal 7.2V/2.2Ah NiMH rechargeable battery pack with internal over-current protection connects directly to Testifire with no leads or wires. Must be charged by Solo 725 battery charger (using 100-230VAC or 12VDC input).
Battery charge time	75-90 mins. (if completely discharged).
Power consumption	Dependent on mode of use: Smoke testing: <0.5A rms Heat testing: 4-6A rms NB: Refers only to the duration of the actual test and may vary considerably due to internal control algorithms.
Environment	Operating temperature range: +5°C to +45°C (41°F to 113°F). Operating humidity range: 0 to 85% RH non-condensing. Storage temperature range: -10°C to +50°C (50°F to 122°F). Storage humidity range: 0 to 90% RH non-condensing (up to +35°C / 95°F).
Servicing intervals	Message will be displayed on the LCD screen when service is required.
Degree of protection	Rated according to IEC60529 to IP20.
Weight	Testifire 1000: 0.75kg Testifire TS3 smoke capsule: 45g Solo 760 battery baton: 0.5kg
Dimensions	Bellows width: 153mm max. Head unit height: 224mm max. (397mm incl. handle)

Part number	Description
116-WBJ-10/01	Smoke/Heat head unit
116-WBJ-10/02	TS3 6 x smoke capsules
116-WBJ-10/03	Solo 760 battery baton
116-WBJ-10/04	Solo 725 universal fast battery charger
116-WBJ-5/02	Telescopic pole, 1,27 – 4,48 m, optional

## AUTRONICA FIRE AND SECURITY AS

Head office, Trondheim, Norway Tel: +47 73 58 25 00, fax: +47 73 58 25 01, e-mail: info@autronicafire.no  
Oil and Gas division, Stavanger, Norway Tel: +47 51 84 09 00, fax: +47 51 84 09 99  
Maritime division, Spikkestad, Norway Tel: +47 31 29 55 00, fax: +47 31 29 55 01

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