# TESTIFIRE XTR2 SMOKE/HEAT DETECTOR TEST KIT WBJ-20

Fire detection systems
Product Datasheet

## Features

- All-in-one testing, including:
    - Smoke
    - Standard heat
    - Hi-Heat
    - Clearing
    - Simultaneous testing
    - Sequential testing
    - Smoke for ASD or flat detectors
    - Delayed start smoke test
- Electronic smoke stimulus
- Heat stimulus (standard / hi-heat)
- Automatic smoke clearing function
- Optical sensors to automatically capture detector LED alarm status
- TFT-LCD full color touch screen
- Color LED user feedback up to 9 m visual distance
- Automatic torch in dark environment
- Adjustable multi-position head
- BT enabled



## Description

Testifire XTR2 is the latest generation all-in-one tester for smoke and heat, combining functional testing for all fire detector types with the ability to record live test results and present these in a site-specific test report.

As a connected tester, Testifire XTR2 is built around three core elements: an all-in-one tester that tests both smoke and heat, an app that communicates with the tester to record test results, and a cloud portal that provides access to test reports and product setup and status that you can share with clients.

By capturing test results at the point of testing, Testifire XTR2 provides the ultimate proof of test. Ensuring a pass or fail result is recorded for every detector tested on site makes it easy to identify any detectors that are not performing as required, and provides facilities managers and building owners

with the peace of mind that compliant testing has taken place.

The test kit includes:

- 1 x XTR2-HEAD
- 1 x XTR2 Smoke cartridge
- 1 x XTR2 Smoke generator
- 1 x XTR2 Li-ion battery
- 1 x XTR2 Charger kit

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| Technical specifications | |
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| Safety features | General safety features:<br>• Auto-shutdown feature. If the unit is inactive for more than 10 minutes, the unit automatically shuts down, which disconnects the control circuit from the battery pack.<br>• All tests are time-limited to 120 seconds.<br><br>Heater/smoke safety features:<br>• Microprocessor in-test temperature and voltage safety monitoring stops test in response to fault.<br>• INA230 current alert function stops test in response to fault.<br>• Fuse protection if heater/smoke element overheats.<br><br>Battery pack safety features:<br>• The battery pack features safety circuits to prevent over temperature, over current, over charging and deep discharge conditions.<br>• Microprocessor in-test temperature safety monitoring displays LCD warning and prevents further tests until battery cooldown.<br>• JEITA compliant charge cycle limiting charge current and voltage dependent on temperature. |
| Power source | Lithium-ion battery pack nominal 10.8 v 35.1 wh/3250 mAh, with USB-C connection to charging cradle |
| Battery charging time | 50% charge 23 °C: less than 1 hour<br><br>Fully charged:<br>5 °C = 3 hours<br>23 °C = 2 hours<br>40 °C = 3 hours |
| Power consumption | Dependent on mode of use:<br><br>Smoke testing: <0.5 A rms<br>Heat testing: 4-6 A rms<br><br>**Note:** Power consumption refers only to the duration of the actual test and may vary considerably due to internal control algorithms. |
| Test modes | • Smoke: A simulated smoke generated internally using a miniature heat exchanger and a harmless liquid from the smoke capsule.<br>• Standard Heat: To test rate-of-rise and fixed temperature heat detectors up to 90 °C (194 °F).<br>• Hi-Heat: To test rate-of-rise and fixed temperature heat detectors up to 100 °C (212 °F).<br>• Clearing: Clean air is blown to remove previously applied smoke.<br>• Simultaneous Testing: Smoke and Heat in combination.<br>• Sequential Testing: Heat followed by Smoke.<br>• Smoke for ASD or flat detectors: Requires separate adaptor.<br>• Delayed start smoke test. |
| Suitable detector types | • AutroSafe smoke and heat detectors and MultiSensors<br>• AutroGuard multicriteria protectors<br>• Optical / photoelectric and ionisation smoke detectors.<br>• Thermal sensors (fixed temperature or rate-of-rise).<br>• Multi-sensors or multi-criteria detectors.<br>• Conventional, addressable, or analogue addressable detectors of any of the above types.<br>• ASD and flat detectors |

| Operating temperature range | Unit: +5 °C to 45 °C (+41 °F to 113 °F) |
|---|---|
| | Charger cradle: +5 °C to 40 °C (+41 °F to 104 °F) |
| Operating humidity range | 0 to 85% RH non-condensing |
| Storage temperature range | -10 °C to 50 °C (+14 °F to 122 °F) |
| Storage humidity range | 0 to 90% RH non-condensing (up to +35 °C/95 °F) |
| Maximum operating altitude | 3,000 m |
| Weight (Including battery, generator & cartridge) | 1.25 kg with battery Gen and Cartridge |
| | 2.39 kg boxed with everything |
| Dimensions H (including handle) x W (widest) x D | 406 x 156 x 150 mm |
| Dimensions H (excluding handle) x W (widest) x D | 302 x 156x150 mm |
| Cup dimensions | Ø 112 mm max 38-57 mm height |

| Part number | Description |
|---|---|
| 116-WBJ-20 | XTR2 Test kit, including: <br> • 1 x XTR2-HEAD <br> • 1 x XTR2 Smoke cartridge <br> • 1 x XTR2 Smoke generator <br> • 1 x XTR2 Li-ion battery <br> • 1 x XTR2 Charger kit |
| 116-WBJ-20/02 | XTR2 Smoke cartridge, pack of 3 |
| 116-WBJ-20/04 | XTR2 Spare smoke generator |
| 116-WBJ-20/05 | XTR2 Spare membrane |
| 116-WBJ-20/08 | XTR2 Spare battery pack |