

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

Testifire XTR2

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.



Test kit WBJ-20

The WBJ-20 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

Get started

Before you can use the XTR2 tester for the first time, you must register the device at the [Cloud Portal](#) and pair it with the DT Connect app (available on [Google Play](#) and the [App Store](#)).

See the Testifire XTR2 User Manual for detailed instructions.

The tester includes a 90-day free trial of DT Connect Premium. After the free trial period ends, you can either purchase a subscription or continue to use Testifire XTR2 without a subscription (with limited test reporting features).

Technical specifications	
Safety features	<p>General safety features:</p> <ul style="list-style-type: none"> • 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. • All tests are time-limited to 120 seconds. <p>Heater/smoke safety features:</p> <ul style="list-style-type: none"> • Microprocessor in-test temperature and voltage safety monitoring stops test in response to fault. • INA230 current alert function stops test in response to fault. • Fuse protection if heater/smoke element overheats. <p>Battery pack safety features:</p> <ul style="list-style-type: none"> • The battery pack features safety circuits to prevent over temperature, over current, over charging and deep discharge conditions. • Microprocessor in-test temperature safety monitoring displays LCD warning and prevents further tests until battery cooldown. • 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	<p>50% charge 23 °C: less than 1 hour</p> <p>Fully charged:</p> <p>5 °C = 3 hours 23 °C = 2 hours 40 °C = 3 hours</p>
Power consumption	<p>Dependent on mode of use:</p> <p>Smoke testing: <0.5 A rms Heat testing: 4-6 A rms</p> <p>Note: Power consumption refers only to the duration of the actual test and may vary considerably due to internal control algorithms.</p>
Test modes	<ul style="list-style-type: none"> • Smoke: A simulated smoke generated internally using a miniature heat exchanger and a harmless liquid from the smoke capsule. • Standard Heat: To test rate-of-rise and fixed temperature heat detectors up to 90 °C (194 °F). • Hi-Heat: To test rate-of-rise and fixed temperature heat detectors up to 100 °C (212 °F). • Clearing: Clean air is blown to remove previously applied smoke. • Simultaneous Testing: Smoke and Heat in combination. • Sequential Testing: Heat followed by Smoke. • Smoke for ASD or flat detectors: Requires separate adaptor. • Delayed start smoke test.
Suitable detector types	<ul style="list-style-type: none"> • AutoSafe smoke and heat detectors and MultiSensors • AutoGuard multicriteria protectors • Optical / photoelectric and ionisation smoke detectors. • Thermal sensors (fixed temperature or rate-of-rise). • Multi-sensors or multi-criteria detectors. • Conventional, addressable, or analogue addressable detectors of any of the above types. • ASD and flat detectors

Testifire XTR2 smoke/heat detector test kit WBJ-20

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	∅ 112 mm max 38-57 mm height

Part number	Description
116-WBJ-20	XTR2 Test kit, including: <ul style="list-style-type: none"> • 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
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