



HEAT DETECTOR TESTERS



fast
efficient
convenient
innovative
safe
patented
9m reach

CAT™

Heat Detector Testing: Why *and* How ?

National standards require that heat detectors are tested regularly by application of a heat source.

The SOLO™ range includes two professional, alternative solutions to meet that requirement:

1. The cordless SOLO 461, incorporating the innovative CAT™ (Cross Air Technology), activates 95% of all spot / point type heat detectors (fixed temperature, rate of rise and combination) within seconds and many times faster than previous designs.

The rechargeable Battery Batons™, mounted inside the access pole, enable safe and efficient testing without any trailing cables / cords or the need for a safety transformer.

Or, for those seeking a lower cost solution,

2. The SOLO 423/424* provides a powerful heat source contained within the transparent cup, which enables a view of the illuminated LED upon successful activation.

While the SOLO 423/424* does need a power cord / mains cable, it is nonetheless a professional heat detector testing tool, designed for safe use in the appropriate environment without causing damage to the heat detector.

**SOLO 423/424 is also available with other cable / cord and plug options for international use*

SOLO RANGE INTEGRATION

Both products integrate with the universal SOLO™ range, which represents today's most advanced system for testing, removing and replacing both smoke and heat detectors at heights up to 9 metres / 30 feet.

SOLO 423/424* MAINS HEAT TESTER

The SOLO 423/424* is a professional and robust tool for testing heat detectors fitted at heights up to 9m / 30ft. Unlike the SOLO 461, it does require a power cord / mains lead but, conversely, does not require any special energy saving features.

- Available in both 110 - 120 and 220 - 240 volt versions.
- Designed for use on fixed temperature, rate of rise and combination detectors.
- Suitable for any type of make of spot / point type heat detector fitted at heights of up to 9m / 30ft.
- Large clear cup fits over detector enabling a clear view of the detector LED.
- Tests detectors up to 90°C / 194°F operating temperature.
- Thermal cut-out for added protection.
- Supplied with 5m cable as standard.

**Solo 423/424 is also available with an additional 5m cable and with other cable and plug options for international use.*



What is CAT™ ?

The revolutionary and patented CAT™ (Cross Air Technology) system applies the stimulus directly to the sensor in the most efficient way possible - horizontally.

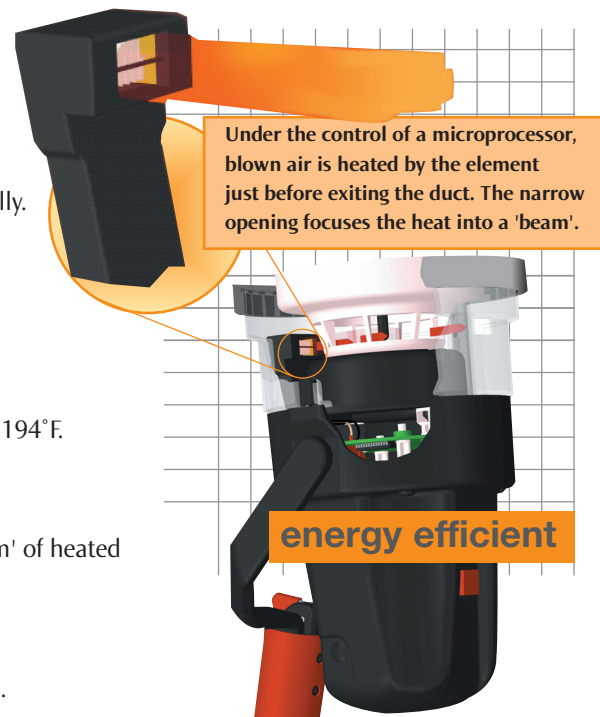
In the case of heat detector testing, CAT™:

- Reduces test times dramatically.
- Sets detectors into alarm more rapidly than any other safe technique.
- Uses the minimum power necessary, thereby extending battery life.
- Suits rate of rise, fixed temperature and combination detectors up to 90°C / 194°F.
- Minimises the possibility of heat damage to the plastic of the detector.

The SOLO 461 incorporates a 'reference platform', which ensures that the 'beam' of heated air is lined up correctly with the sensor, whatever size and shape of detector.

Under the control of a microprocessor, blown air is heated by the element just before exiting the duct. The narrow opening focuses the heat into a 'beam'.

Because the hot 'beam' of air is targeted directly at the sensor, substantial amounts of energy and time are saved. This design allows many more tests per Battery Baton™ than ever before.



SOLO 461 CORDLESS (CAT™) HEAT TESTER

The SOLO 461 provides a solution for testing heat detectors that is second to none. Its patented design is convenience itself, whilst offering the fastest functional test possible in the safest and most controlled way.

- Heat is directed straight at the detector sensor.
- Sets 95% of all spot / point heat detector types into alarm within seconds.
- Tests detectors up to 9m / 30ft with SOLO universal access poles.
- No cables / cords - power from Battery Baton™ is delivered to unit via the frame.
- Uses same Battery Batons™ and charger as previous model - no need to buy new ones.
- Infra-red beam is broken by detector to activate heat generation.
- Microprocessor control maintains constant heat and airflow with variations in battery voltage.
- Goes into standby after 120 secs of use for protection.
- Switches off completely after 5 minutes in standby for further protection.
- Supplied with 2 Battery Batons™ and fast charger (operates from 110 / 120, 220 / 240V AC supply or 12V DC car battery).





Other interchangeable equipment available in the **SOLO** range includes:

- Functional smoke detector tester.
- A single universal detector removal / extraction tool.
- Telescopic access pole to 6m / 20ft.
- Further extension poles to 9m / 30ft.



TruTest

Smoke detector sensitivity testing instrument

Other brochures available:



No Climb

The world's genuine leader in universal smoke and heat detector test and service devices.

Manufactured by No Climb Products Ltd.

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Welham Green, Hertfordshire AL9 7JE. United Kingdom.
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Specifications

SOLO 461 (CAT™ Cordless)

Suitable detector types :	Spot / Point type, Rate of Rise, Fixed Temperature and Combination up to 90°C / 194°F
Maximum detector size :	Any - so long as the sensing element can be targeted by the heat source
Number of test:	Typically 50 tests of 30 secs duration per Battery Baton™ Limitless, if using one Battery Baton™ whilst charging another
Maximum height:	Up to 3m / 10ft using SOLO 461 alone. Up to 9m / 30ft using SOLO extension poles
Approvals:	CE Mark UL listed (charger)
Safety Features:	Battery over-current cut-out Element safety cut out after 120 seconds Auto power off after 5 mins
Operating features:	Colour coded LED user feedback Automatic infrared sensing of detector Multi position head 1 hour recharge time for Battery Baton™ (car - 12V DC or 110 / 120 - 220 / 240V AC)
Environment:	Operating temperature 5°C to 45°C / 40°F to 115°F Storage Temperature -10°C to 50°C / 15°F to 120°F Humidity: 0-85% RH non-condensing
Relevant Weights and Dimensions	
	Weight Dimensions
Solo 460:	0.60kg / 21oz Inside diameter 100mm / 4in approx
Solo 720:	0.50kg / 18oz Diameter 29mm / 1.15in, Length 490mm / 19.3in
Solo 725:	0.39kg / 14oz 80mm / 3.1in (w) X 50mm / 5.9in (l) X 60mm / 2.4in(h)

SOLO 423/4* (Corded / Mains Powered)

Suitable detector types:	Spot / Point type, Rate of Rise, Fixed Temperature and Combination up to 90°C / 194°F
Maximum height:	Up to 9m / 30ft using SOLO extension poles
Operating voltages:	110 - 120VAC or 220 - 240VAC
Power:	700W approx
Frequency:	50 / 60 Hz
Cable length:	5m
Type of connector:	Dependant on variant ordered
Weight (incl. 5m cable):	1.20kg / 2lb 6oz
Dimensions:	Inside diameter 115mm / 4.5in approx, working depth 80mm / 3in approx
Safety:	Thermal cut out, electrically fused, double insulated

* SOLO 423/4 is also available with other cable and plug options for international use

Please note the following important information regarding these products:

Not for use in hazardous areas (those containing explosive vapours or dust).
Care must be taken when handling these products immediately after use, as parts may be hot to the touch.
Tests with these products may prove that the detector is operational and capable of responding to heat; they do not indicate the calibration level of the fixed temperature element or the grade status.
Care needs to be taken when testing combination fixed temperature / rate of rise devices

Ordering Information

Part No	Description
Solo 423:	110 - 120VAC Mains Power Heat Detector Tester
Solo 424:	220 - 240VAC Mains Power Heat Detector Tester
Solo 425:	5m Optional Cable
Solo 460:	Cordless Heat Detector Tester - note: requires Solo 720 and Solo 725
Solo 461:	Cordless Heat Detector Test kit including: 1x Solo 460 CAT™ Cordless Heat Detector Tester 2x Solo 720 Battery Baton™ 1x Solo 725 Universal Battery Charger
Solo 720:	Battery Baton™ for Solo 460
Solo 725:	Universal Fast Charger for Battery Batons™
Solo 822:	Solo kit incorporating Solo 100 Telescopic Pole, Solo 200 Removal Tool, Solo 330 Smoke Dispenser, Solo 461 and Solo 610 Carrying Bag

PLEASE SPECIFY COUNTRY OF USE WHEN ORDERING

NB. Details of products described in the publication are subject to change without notice.



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www.detectortesters.com

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