

# Cordless Heat Detector Tester

The SOLO™ cordless heat detector tester is truly revolutionary, completely cordless, extremely lightweight and totally portable. Using advanced, patented technology it enables tests of installed heat detectors to be accomplished quickly, easily and professionally. Above all, it eliminates the need for mains power or dangerous, trailing leads. Using interchangeable NiCd (Nickel Cadmium) Battery Batons™ it can perform limitless tests on most makes, models and types of heat detector. Unequaled in the world today, it saves considerable time and money whilst assuring user safety.



- Saves time - saves money - adds to safety
- Totally portable - no cords, no cables, no wires, no need for mains power
- Universal - suits most makes and types of heat detector
- Thermal cut-out helps prevent detector damage
- Professional - infra-red heater and control circuitry
- Can be used on detectors not accessible from directly underneath
- Compact, lightweight and easily carried
- Quick and simple to use
- Rugged and robust construction
- SOLO™ pole compatible - use at low level or heights up to 30 feet / 9 metres and interchangeable with other SOLO™ products

Regular and ongoing testing of heat detectors is essential if confidence in an alarm system is to be retained and compliance is to be made with national and international standards the world over. Until now the only professional devices for performing such tests have relied on mains power, cords and / or cables. The new SOLO™ cordless heat detector tester is totally cord and cable free: the ultimate in portability. Quicker, simpler and a lot safer to use than a mains powered device, the SOLO™ cordless heat detector tester means limitless tests - saving time, labour and money.

the only one you'll need

## OPERATION

The SOLO™ 451 cordless heat detector tester can be used at low level or, on the SOLO™ extension poles, interchanged with other detector test, extraction and relocation tools, for use up to nine metres / thirty feet from the ground. Switched on, the unit enters standby mode. Only when the test cup is placed over a detector is an infra-red beam in the cup interrupted, automatically initiating the test. A self-adjusting diaphragm membrane fitted to the unit, seals circulating hot air within the cup. This heat activates the detector in the shortest possible time. Whilst a test is being performed a steady pulsing tone is heard. Once the detector LED activates, the test has been completed and SOLO™ 451 can be removed. The moment the cup is removed from the detector, the infra-red beam is re-established, the unit re-enters standby mode and the tone stops. This saves power and the operator can move directly to the next test. No cables, no cords - no mains power required. The cordless heat detector tester communicates constantly with the operator through visual (LED) and / or audible indications, whose duration and frequency change with the unit status ('standby', 'testing' and 'low battery').

## POWER

The patented, Battery Baton™ is located conveniently within the handle of the tester. A unique low battery warning (a slow pulsing tone) precedes a special low power cut-out facility which enhances battery life. A fast recharge can be performed from a car or mains supply. The charging system is designed so that the NiCd (Nickel Cadmium) cells cannot be accidentally overcharged or have their polarity reversed.

## LIMITLESS TESTS

Using one Battery Baton™ while another is recharging means that the number of tests is almost limitless, and the supply is continuous. Changing batteries is simple, involves no cables or plug/socket handling and takes just a few seconds. Whilst one battery is being used, another can be charged on-site using either mains or cigar socket in a car or van.

## SPECIFICATION AND TECHNICAL DATA

- **Suitable detector types:** Rate of rise and fixed temperature at least up to 90°C / 194°F.
- **Maximum detector size:** Any - so long as the sensing element can be sealed within the cup (see Dimensions)
- **Number of tests:** Limitless if using one Battery Baton while fast charging another.
- **Maximum Height:** Up to 10' / 3m using SOLO™ 451. Up to 30' / 9m using SOLO™ extension poles
- **Approval:** CE approved
- **Safety features:** 1) Thermal cut out. 2) Battery over-current cut-out
- **Recharge times:** From empty, typically 1 1/4 hours using fast charge (car or mains).
- **Battery life:** >500 cycles

## ORDERING INFORMATION

Part No	Description
<b>SOLO™ 451</b>	1 x SOLO™ 450 Cordless Heat Detector Tester, 2 x SOLO™ 720 Battery Baton™, 1 x SOLO™ 721 Fast Charger (220/240v Mains and Car combined)

### ADDITIONAL ACCESSORIES / COMPONENTS

Part No	Description	Weight	Dimensions
<b>SOLO™ 450</b>	Cordless Heat Detector Tester not including Battery Baton™ not including Charger	0.65 kg 1.43lb	Interior working dimensions of cup: Diameter 125mm, Depth 80mm Diameter 4.92", Depth 3.15"
<b>SOLO™ 720</b>	Battery Baton™	0.56 kg 1.23lb	Diameter 29mm, Length 490mm Diameter 1.14", Length 19.29"
<b>SOLO™ 721</b>	Fast Charger - 220/240v mains and / or vehicle cigar socket		



International Patents Pending  
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Also available for all types and makes of detector:

### Smoke Detector Testers

**Smoke Detector Sensitivity Testers** to ensure sensitivity is within defined parameters

### Detector Removal Tools

**Access Poles** to reach heights up to 9m / 30'

**Mains Powered Heat Detector Testers** in 110/120v or 220/240v versions

# SOLO

# NO CLIMB

The British Fire Industry  
Association's Approved Supplier  
**BFPSA**

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