

ALL THE EXPERIENCE TO HELP FIND YOUR RIGHT SOLUTION



THE REAL PROPERTY.

100+ Staff

Staff working in the UK, Europe & the Middle East.



Global Leader

No.1 in the fire detection test equipment market.



20 Years of Solo

The industry's most popular range of detector test equipment.



130 Countries

Products distributed to 130+ countries and counting.



Partnerships

Approved by leading detector manufacturers and third parties.



INDUSTRY STANDARD

Functional testing of fire detectors should be carried out as described in BS5839-1.







Smoke Detector Testing

"Point smoke detectors should be functionally tested by a method that confirms that smoke can enter the detector chamber and produce a fire alarm signal (e.g. By use of apparatus that generates simulated smoke or suitable aerosols around the detector). It should be ensured that the material used does not cause damage to, or affect the subsequent performance of the detector..."

BS:5839-1: 2017 Clause 45.4 (d) - Smoke

What this means

- Approved by detector manufacturers
- Safe to use on the detector
- Considerate of the immediate environment
- Free from harmful contents

Multi-Sensor Detector Testing

"The guidance of the manufacturer on the manner in which the detector can be functionally tested effectively should be followed."

"..multisensor fire detectors should be physically tested by a method that confirms that products of combustion in the vicinity of the detector can reach the sensors and that the appropriate response is confirmed at the CIE."

BS:5839-1: 2017 Clause 45.4 (j)

What this means

- Approved by detector manufacturers
- Capable of delivering stimuli simultaneously
- Deliver a fast effective means of testing
- Safe for the detector and immediate environment

Testing Hard-to-Access Detectors

"For remotely situated or hard-to-access detection equipment, consideration needs to be given to the feasibility of testing and maintenance at the design stage."

BS:5839-1: 2017 Clause 22.1

What this means

- Detectors should be tested regardless of position
- The test method should be approved by detector manufacturers



> ANY DETECTOR > ANY TIME

Testifire is the world's leading all-in-one tester. One tool for testing smoke, heat and CO allows testing of any detector regardless of type.

As an all-in-one tester, Testifire not only delivers on convenience - it is also the leading solution for compliant testing of multi-sensor detectors, which are becoming more and more widespread.

Testifire offers a built-in clearing mode to eliminate repeat alarms and its high heat setting allows for testing of heat sensors up to 100°C.



YOUR TESTIFIRE SOLUTIONS

Step 1

Do you mainly test smoke and heat, or do you test smoke, heat & CO?

Choosing the right Testifire solution for you couldn't be easier.



Accessories

Testifire uses non-hazardous, nonpressurised, environmentally -friendly capsules to generate smoke and CO.

To make sure you do not run out of capsules, the following capsule replacement packs are available:

Smoke Capsules	
Replacement Smoke Capsule	TS3-6PACK-001
Replacement Smoke Capsule	TS3-3PACK-001
CO Capsules	
Replacement CO Capsule	TC3-6PACK-001
Replacement CO Capsule	TC3-3PACK-001

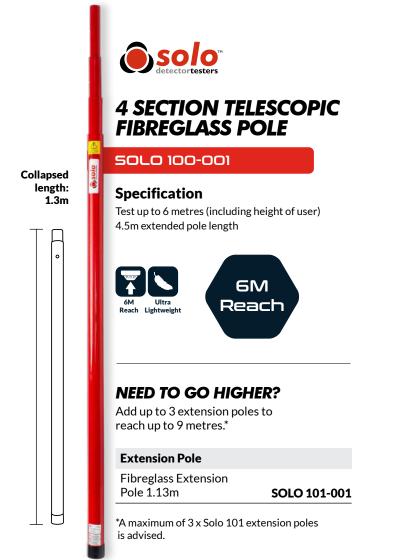


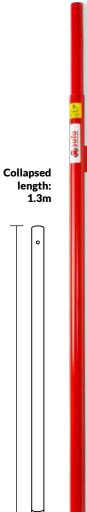


Multi-Detector Test
Apparatus as to Verification
of Detector Functional
Operation Only

HOW HIGH ARE YOU TESTING?









Reach

NEED TO GO HIGHER?

Add up to 3 extension poles to reach up to 7 metres.*

Extension Pole

Fibreglass Extension Pole 1.13m

SOLO 101-001

*A maximum of 3 x Solo 101 extension poles is advised.

Accessories

To keep your Testifire and poles protected, add the Solo 610 protective carrying and storage bag.



@sofe

Carry Bag

Protective Storage & Pole Bag

SOLO 610-001

URBAN KITS

For engineers on the go

When the poles need to be compact and easy to carry – for example, when you are travelling on public transport or are carrying all your test equipment on foot, then the Solo Urban Kits are your ideal choice.

Not only are the poles compact enough to fit on a backpack, the backpack will also keep your Testifire protected too.

With this kit you will be able to access and test detectors at heights of up to 5 metres.



www.acornfiresecurity.com



URBAN BACKPACK& POLES KIT

SOLO 613-001

Includes

1.75m Urban 4-Section Telescopic Pole 3 x Urban 0.5m Extension Poles Urban Backpack & Pole Bag





Alternatively, choose from one of our all encompassing test kits.

URBAN SMOKE / HEAT TEST KIT

URBAN 1001-1-001

Includes

Testifire 1001-1-001 Smoke / Heat Test Kit 1.75m Urban 4-Section Telescopic Pole 3 x Urban 0.5m Extension Poles Urban Backpack & Pole Bag



URBAN SMOKE / HEAT / CO TEST KIT

URBAN 2001-1-001

Includes

Testifire 2001-1-001 Smoke / Heat / CO Test Kit 1.75m Urban 4-Section Telescopic Pole 3 x Urban 0.5m Extension Poles Urban Backpack & Pole Bag





TEST & MAINTENANCE KITS

Our Test & Maintenance Kits are solutions that bundle all the products you might need in one kit, including a removal tool for detectors.

TESTIFIRE SMOKE / **HEAT TEST KIT**

TESTIFIRE 6001-001

Includes

Testifire 1001-001 Smoke / Heat Test Kit Solo 100-001 4.5m 4-Section Telescopic Pole Solo 200-001 Detector Removal Tool Solo 610-001 Protective Storage Bag



Testing up to 6 metres (including height of user)





TESTIFIRE SMOKE / **HEAT / TEST KIT**

TESTIFIRE 9001-001

Includes

Testifire 1001-001 Smoke / Heat Test Kit Solo 100-001 4.5m 4-Section Telescopic Pole 3 x Solo 101-001 1.13m Extension Pole Solo 200-001 Detector Removal Tool Solo 610-001 Protective Storage Bag





Reach

Testing up to 9 metres (including height of user)

TESTIFIRE SMOKE / **HEAT / CO TEST KIT**

TESTIFIRE 6201-001

Includes

Testifire 2001-001 Smoke / Heat / CO Test Kit Solo 100-001 4.5m 4-Section Telescopic Pole Solo 200-001 Detector Removal Tool

Solo 610-001 Protective Storage Bag







Testing up to 6 metres (including height of user)



TESTIFIRE SMOKE / HEAT / CO TEST KIT

TESTIFIRE 9201-001

Includes

Testifire 2001-001 Smoke / Heat / CO Test Kit Solo 100-001 4.5m 4-Section Telescopic Pole 3 x Solo 101-001 1.13m Extension Pole Solo 200-001 Detector Removal Tool

Solo 610-001 Protective Storage Bag











Testing up to 9 metres (including height of user)



ONLINE TRAINING

FIA CPD Certified

Our training sessions provide the perfect opportunity to keep up to date with industry codes and standards and understand the options available for carrying out functional testing of detectors.

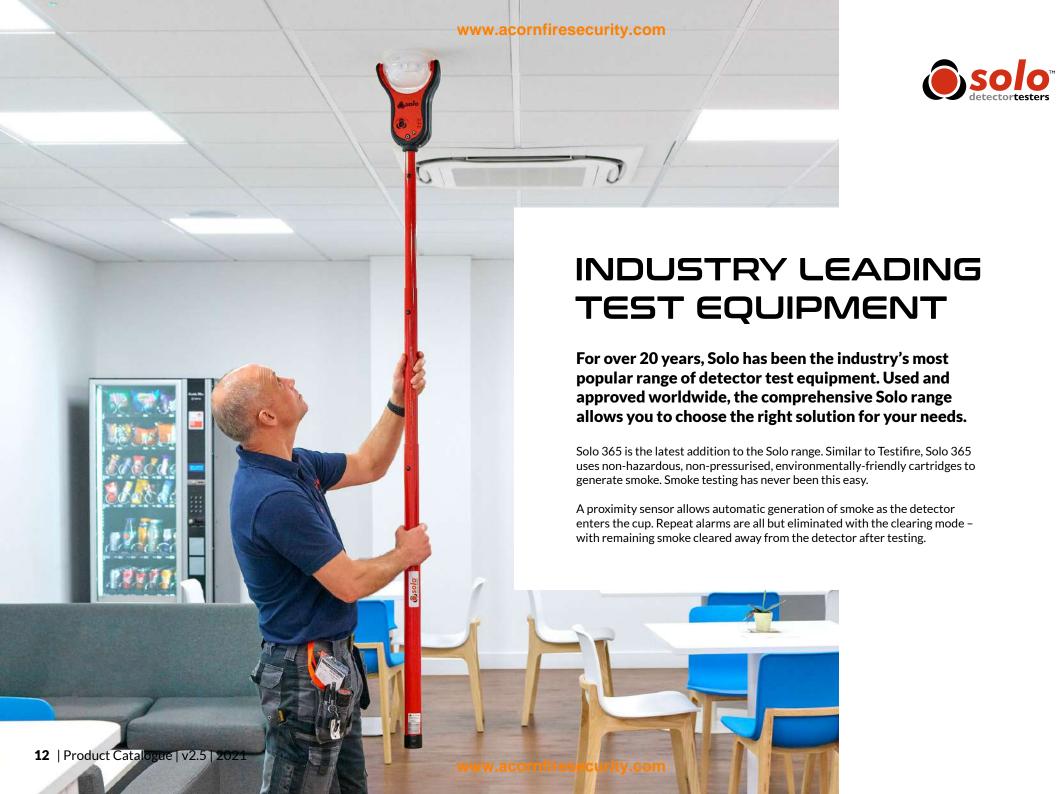
*Live Webinars Product Training

Access Pole Training









YOUR SOLO SOLUTIONS

Step 1 What do you need, a smoke tester, or a heat tester?

Accessories

To make sure you do not run out of cartridges, the following replacement packs are available:

Smoke Cartridges

Replacement Solo 365

Smoke Cartridge **ES3-12PACK-001**



SOLO 365 SMOKE TEST KIT

SOLO 365-001



Includes

1x Solo 365-001 Smoke Detector Tester 1x Solo ES3-001 Smoke Cartridge 1x Solo 371-001 Smoke Generator 1x Solo 370-001 Li-ion Battery Pack 1x USB Universal Charger







Smoke Detector Test Apparatus, Model Solo 365 TI 77





SOLO 365 ASD ADAPTOR



SOLO 372-001



If you are testing ASD systems, the Solo372-001 is the accessory for you. It is an adapter for your Solo 365 that's easily fitted to allow functional testing of ASD systems.

DISPENSERS & **AEROSOLS**

The most widely used system for the last 20 years. The dispenser works with Solo A5, Solo A10s and Solo A10 smoke detector test aerosols.

Used with Solo C3, it also delivers fast and effective functional testing of CO detectors.

Available in two sizes:



You will need one of our detector manufacturer approved smoke aerosols for your Solo 330/332 dispensers. You have two types of smoke aerosol:





You can test CO detectors with our Solo 330/332 dispenser. To do this you need:





If a cordless heat tester is not suitable for you, we offer two different Solo mains-powered heat detector testers:





SOLO 423 110/120V HEAT TESTER

SOLO 423-001

Specification

Solo 423-001 Mains Heat Head Unit Supplied with 5m / 16ft cable







SOLO 424 220/240V HEAT TESTER

SOLO 424-001

Specification

Solo 424-001 Mains Heat Head Unit Supplied with 5m / 16ft cable



Accessories

For extra reach, Solo 425-001 is a 5m additional extension cable.

Extension Cable

5m Additional Cable

SOLO 425-001





UNIVERSAL REMOVAL TOOL

SOLO 200-001

A vast array of fire detectors now exist - consisting of different models, shapes and sizes.

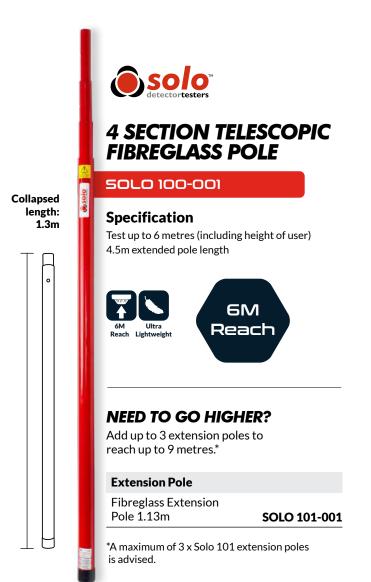
The Solo 200 detector removal tool is designed for universal use to meet the challenge of removing and installing these different detectors.

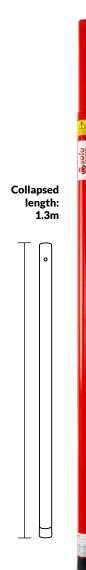
The colour coded heads of the Solo 200 rotate to provide a combination of sizes and settings to suit the different detectors.

HOW HIGH ARE YOU TESTING?



Do you require an access pole for your Solo equipment?







50LO 108-001

Specification

Test up to 4 metres (including height of user) 2.2m extended pole length





NEED TO GO HIGHER?

Add up to 3 extension poles to reach up to 7 metres.*

Extension Pole

Fibreglass Extension Pole 1.13m

1.13m **SOLO 101-001**

*A maximum of 3 x Solo 101 extension poles is advised.

Accessories

To keep your kit protected, add the Solo 610 protective carrying and storage bag.



- Solo

Carry Bag

Protective Storage & Pole Bag

SOLO 610-001

URBAN KITS

For engineers on the go

URBAN SMOKE TEST KIT

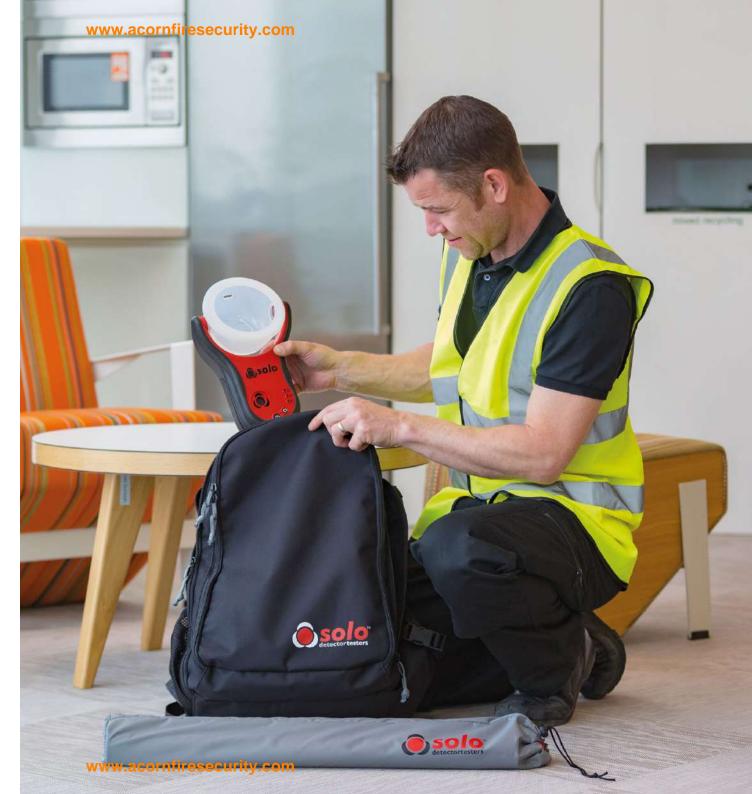
URBAN 365-001

Includes

Solo 365 Smoke Test Kit 1.75m Urban 4-Section Telescopic Pole 3 x Urban 0.5m Extension Poles Urban Backpack & Pole Bag



Testing up to 5 metres (including height of user)



TEST & MAINTENANCE KITS



Alternatively, choose from one of our all encompassing Solo test kits.

SOLO ELECTRONIC SMOKE TEST & REMOVAL KIT

SOLO 911-001

Includes

Solo 365-001 Smoke Detector Test Kit Solo 100-001 4.5m 4-Section Telescopic Pole Solo 200-001 Detector Removal Tool Solo 610-001 Protective Storage Bag



Testing up to 6 metres (including height of user)



SOLO SMOKE TEST & REMOVAL KIT

SOLO 811-001

Includes

Solo 330-001 Aerosol Dispenser Solo A10-001 150ml Smoke Aerosol Solo 100-001 4.5m 4-Section Telescopic Pole Solo 200-001 Detector Removal Tool Solo 610-001 Protective Storage Bag



Testing up to 6 metres (including height of user)



SOLO ELECTRONIC SMOKE TEST & REMOVAL KIT

SOLO 900-001

Includes

Solo 365-001 Smoke Detector Test Kit Solo 100-001 4.5m 4-Section Telescopic Pole 3 x Solo 101-001 1.13m Extension Pole Solo 200-001 Detector Removal Tool Solo 610-001 Protective Storage Bag



Testing up to 9 metres (including height of user)



SOLO SMOKE TEST & REMOVAL KIT

SOLO 812-001

Includes

Solo 330-001 Aerosol Dispenser
Solo A10-001 150ml Smoke Aerosol
Solo 100-001 4.5m 4-Section Telescopic Pole
2 x Solo 101-001 1.13m Extension Pole
Solo 200-001 Detector Removal Tool
Solo 610-001 Protective Storage Bag



Testing up to 8.2 metres (including height of user)



ALL PURPOSE SOLO KITS

Our range of Testifire kits are the most practical solutions from ensuring you have a solution for testing smoke, heat and CO.

However, if Solo is your preferred solution we recommend the following kits:

SOLO SMOKE / HEAT / CO TEST & REMOVAL KIT

SOLO 822-001

Includes

Solo 330-001 Aerosol Dispenser Solo A10-001 150ml Smoke Aerosol Solo 461-001 Cordless Heat Detector Tester Solo 100-001 4.5m 4-Section Telescopic Pole Solo 200-001 Detector Removal Tool Solo 610-001 Protective Storage Bag







Testing up to 6 metres (including height of user)





SOLO SMOKE / HEAT / CO TEST & REMOVAL KIT

SOLO 823-001

Includes

Solo 330-001 Aerosol Dispenser Solo A10-001 150ml Smoke Aerosol Solo 461-001 Cordless Heat Detector Tester Solo 100-001 4.5m 4-Section Telescopic Pole 3 x Solo 101-001 1.13m Extension Pole Solo 200-001 Detector Removal Tool Solo 610-001 Protective Storage Bag











Testing up to 9 metres (including height of user)

What type of detectors are you testing?

How high are you testing?

Get the solution that's right for you with our new kit selector.



How the kit selector works



You Answer

Tell us about the detectors you are testing





Choose

We'll recommend a test kit matched to your needs





We Quote

Our team will contact you with pricing and availability



SMOKESABRE HAND-HELD AEROSOL

SMOKESABRE-01-001

The ultimate hand-held smoke detector tester.

The built in 'Sabre' makes the product unique compared to other hand-held smoke test sprays - preventing use too close to the detector, that could lead to damage and nuisance alarms.

SmokeSabre is the ideal back-up for your complete test and maintenance kit or perfect as a test solution for small jobs or infrequent testing.





Supplied in boxes of 12

Alternative size

Smokesabre-100-001 100ml

PERFECT FOR **SMALLER JOBS**



Fire Alarm Equipment Aerosol Smoke



Automatic Fire Detector Accessory 77TL





www.acornfiresecurity.com

www.acornfiresecurity.com



TESTING HARD-TO-ACCESS SMOKE DETECTORS?

Scorpion is the solution for buildings with hard-to-access detectors. Suitable for both Point and Aspirating Smoke Detection (ASD) systems, Scorpion ensures all smoke detectors can be tested - regardless of location.

Detectors in hard-to-access locations still need to be tested, and this can take not only additional time, but incur additional costs and personnel downtime. Scorpion suits a wide range of applications.



SOLUTIONS FOR TESTING POINT & ASD SYSTEMS



SCORPION POINT SMOKE DETECTOR TESTER

SCORP 1011-001

The Scorpion head unit is permanently installed alongside the smoke detector.

Includes

1 x Scorp 1001-001 Point Head Unit & Mounting Bracket 1 x Scorp 25-001 Access Point





The Scorpion head unit is permanently mounted adjacent to a sampling point on an ASD system pipe - typically at the end of the run. Just one head unit is required for each pipe run regardless of the number of sampling points.



to a Scorpion Access Point to enable smoke generation and testing.

*Available separately

Powered via a Solo 770 Battery Baton.*



Case | Choice Fire | Dolphin Square, Study & Security | Pimlico



On-site with Testifire & **Choice Fire & Security**

We joined David and the team from Choice Fire & Security on site at Dolphin Square in Pimlico, London to witness their use of Testifire as part of a large project installing Hochiki multi-sensor detectors.

The 13 month project, which has recently been completed, involved installing a multi-sensor detector in each of the site's 1064 luxury apartments.

This scale of task required careful planning and management, with Testifire playing a crucial role during commissioning - ensuring that the detectors were working as they should - ready to protect the residents and the luxury surroundings.



Dave King - Choice Fire & Security







University of Southampton - Lift Shaft & Void Install

We joined Detect Fire and Security engineers to have a look at a few of their buildings. The first was the Estates Department which housed a lift shaft with a point detector installed.

Testing of this detector not only required the presence of a fire engineer but also a lift engineer and facilities staff from the university. As well as adding additional cost to the testing – this also took a significant amount of time and effort to arrange.

On the day of the testing, the lift had to be put out of action, causing disruption to the running of department. In addition to normal safety practice, a member of staff was required to label each lift button over the five floors of the building to promote the lift being out of use.

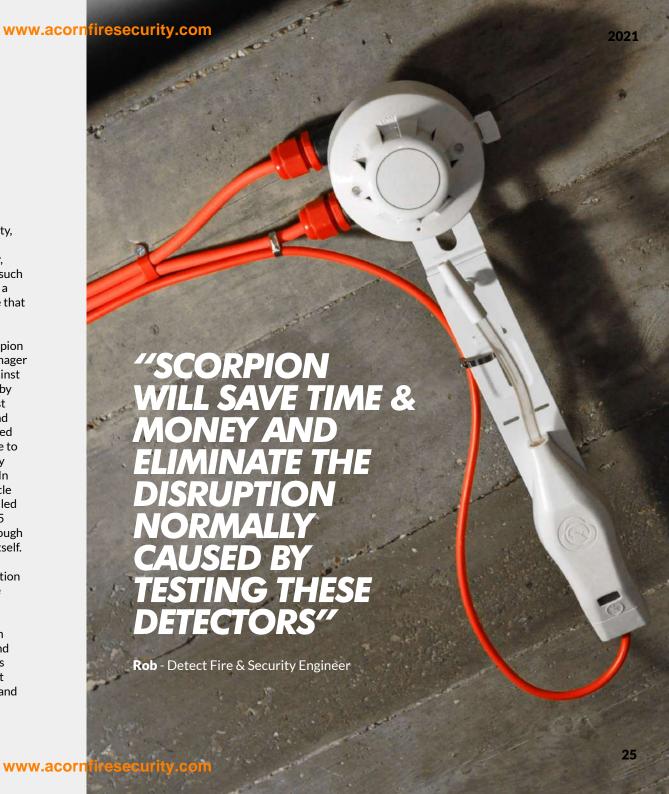
The second building, a Chemistry Department, housed a number of lecture theatres and high hallways. These contained a concealed ASD system which spanned across a secure area. The pipes path, linking the ASD panel to the fire panel, had a security door in-between – meaning it required significant time and effort to access the area and carry out testing.

As the contracted fire and safety maintainer, Detect Fire and Security, typically tested the university's detectors using Testifire. However, those in hard-to-access locations, such as those identified above required a different approach and it was here that they considered Scorpion.

The justification for installing Scorpion saw the installers and building manager analyse the cost of installation against the cost of accessing the detector by other means. They considered cost areas such as access equipment and additional personnel and also looked at the amount of time it would take to organise. In many cases it was very easy to justify installing Scorpion. In the case of the lift shaft, the lifecycle of Scorpion means that once installed in will be capable of 240 tests of 15 seconds. Which should be long enough to outlast the life of the detector itself.

With everyone on site, the installation of Scorpion in the lift shaft and the ceiling void was quick and simple.

Future tests of these detectors can now be easily achieved from ground level – crucially at the same time as all the other detectors and without the need for additional personnel and planning time.



SPARES

A range of spares are available for each of our product ranges.

Testifire	
Testifire USB Cable	SPARE1047-001
Testifire Inner Cup	SPARE1048-001
Testifire Membrane Bellows	SPARE1049-001
Battery Baton (3Ah)	Solo 770-001
220/240v Charger	Solo 727-001

Solo 365	
Solo 365 Battery Pack	Solo370-1PACK-001
Solo 365 Battery Pack	Solo370-4PACK-001
Solo 365 Smoke Generator	Solo371-1PACK-001
Solo 365 Cup & Membrane	SPARE1058-001
Solo 365 Membrane	SPARE1059-001
Solo 365 Universal Charger/USB Cable	SPARE1060-001

Solo 330/332	
Aerosol Retaining Cup	SPARE1028-001
Silicone Membrane for Test Cup (Solo 330)	SPARE1005-001

Solo 460	
Battery Baton (3Ah)	Solo 770-001
220/240v Charger	Solo 727-001
Silicone Membrane for Test Cup	SPARE1005-001
Solo 200	
Solo 200 pair of transparent grips	SPARE1002-001
Scorpion	

SCORP60-001

SCORP8000-001

Battery Cable

Scorpion Control Panel (Multiple Heads)

INDEX

All Purpose Solo Test Kits	20	Solo Test Kits Solo 461 Heat Test Kit	15,18,19,20
Scorpion	22,23	Urban Solo 365 Test Kit	15 18
Scorpion Point Tester	23	Solo Smoke & Removal Kits	19
			20
Scorpion ASD Tester	23	Solo Smoke, Heat & CO Kits	20
Scorpion Portable Controller	23	Conserva	0.4
Scorpion Spares	24	Spares	24
SmokeSabre	21	Testifire	6,7, 10,11,2
		Testifire 1000	7, 10,11,24
Solo Access Poles	8, 9,10,11, 17, 18,19,20	Testifire 2000	7, 10,11,24
Solo 100 4-Section Telescopic	8 ,11, 17, 19,20		
Solo 101 Extension Pole	8,17	Testifire Test Kits	10,11
Solo 108 2-Section Telescopic	8,17	Urban Testifire Kits	10
·	•	Testifire Test & Maintenance Kits	11
Solo Aerosols	14, 19,20		
Solo A10	14, 19,20	Testifire Spares & Accessories	7,24
Solo A10S	14	Testifire Smoke Capsules	7
Solo A5	14	Testifire CO Capsules	7
Solo C3	14	Testifire Spares	24
Solo Head Units	11,13,15,16,18,19,20,24	Urban kits	9, 10,18
Solo 200 Removal Tool	11, 16, 19,20,24	Solo 613 Backpack & Poles Kit	9
Solo 330 Dispenser	14, 19,20,24	Urban 365 Smoke Test Kit	18
Solo 332 Dispenser	14, 24	Urban Testifire Smoke/Heat	
Solo 365 Smoke Tester	13, 18,19,24	Test Kit	10
Solo 423 Mains Heat Tester	16	Urban Testifire Smoke/Heat/CO	
Solo 424 Mains Heat Tester	16	Test Kit	10
Solo 461 Cordless Heat Tester	15, 20,24	ICSURIU	
John Tol Coruless Fleat Tester	-5, 25,2 :		
Solo Spares & Accessories			
Solo 365 Smoke Cartridges	13		
Solo 372 ASD Adaptor	13		
Solo 610 Protective Bag	8, 11, 17, 19,20		
5m Additional Cable	16		

BY APPLICATION

Smoke Testing Solo 330 Dispenser Solo 332 Dispenser Solo A10 Solo A5 Solo 365 Testifire Scorpion SmokeSabre	6,7,10,11,13,14,15, 18,19,20,21,22,23 14,19,20,24 14,24 14,19,20 14 13,18,19,24 6,7,10,11,24 22,23 21
Heat Testing Solo 461 Solo 423 Solo 424 Testifire	6,7,10,11,15,16,20,24 15, 20,24 16 16 6,7, 10,11,24
CO Testing Solo 330 Dispenser Solo 332 Dispenser Solo C3 Testifire 2000	7,14,19,20,24 14 ,19,20,24 14 ,24 14
Multi-Sensor Testing Testifire	6,7,10,11,24 6,7, 10,11,24
ASD System Testing Scorpion ASD Solo 365	13,18,19,22,23,24 23 13
Detector Removal Solo 200	11,16,19,20,24 11, 16, 19,20,24
Hard-To-Access Scorpion	22,23 22,23, 24