

# REMOTE TESTING



For **POINT SMOKE DETECTORS**



 **scorpion**<sup>®</sup> **POINT**  
REMOTE DETECTOR TEST TECHNOLOGY

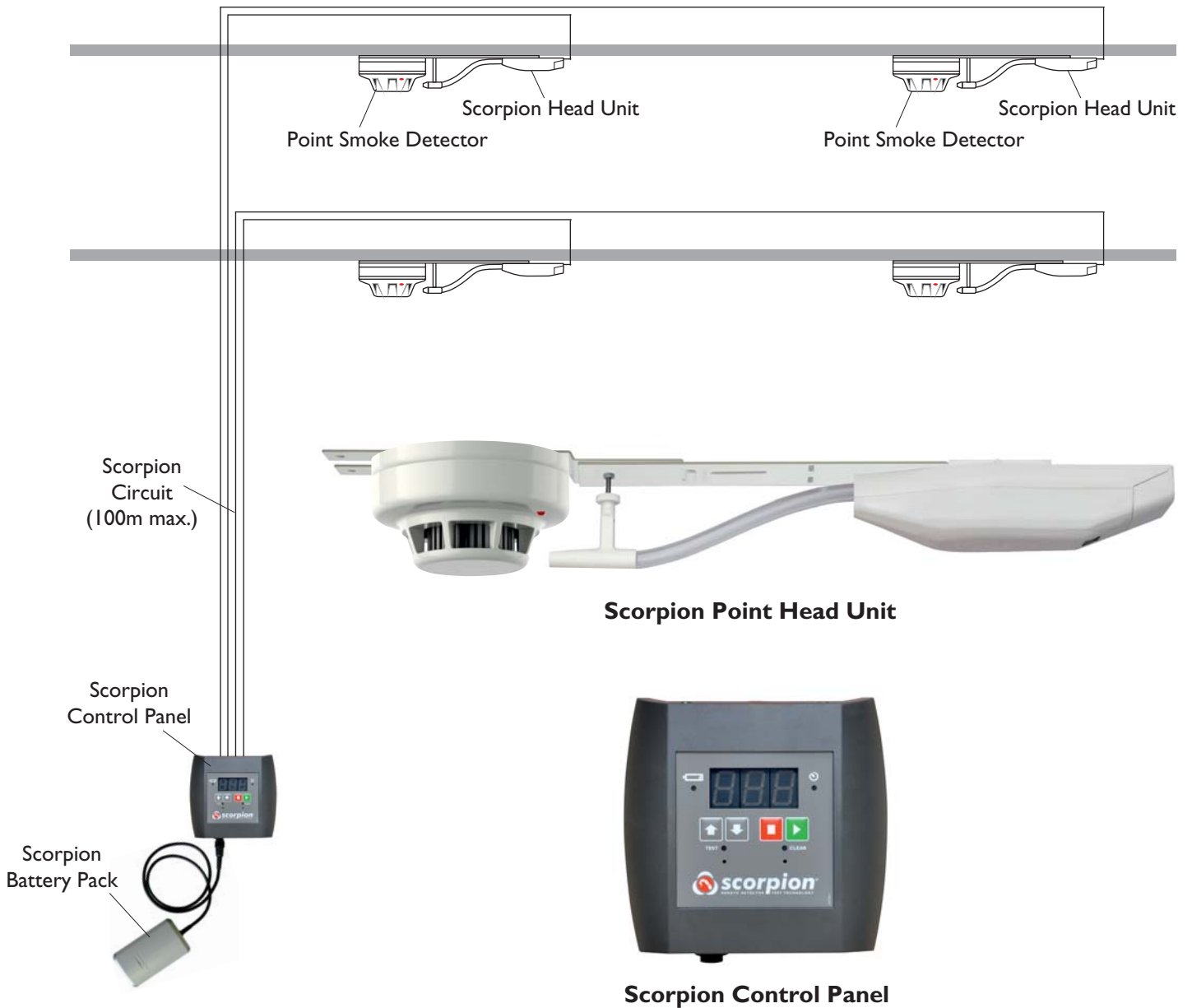
[www.scorpion-tester.com](http://www.scorpion-tester.com)

**Scorpion® Point** is a unique, functional remote smoke detector test system that assists compliance with codes and standards for testing fire detection systems, while delivering radical time, cost and disruption savings along with considerable enhancements to safety.

Detectors that cannot be accessed (or perhaps even seen) are often those most relied upon to function. In many cases they have, until now, either been overlooked and untested, or the cost of their maintenance has greatly affected lifetime cost and even system design. By eliminating the need for access equipment such as ladders, cherry pickers, scaffolding etc., to carry out routine testing, Scorpion saves both disruption and financial cost and rapidly pays for itself.

Scorpion Point also suits smoke-activated door closing systems.

## Installation Example

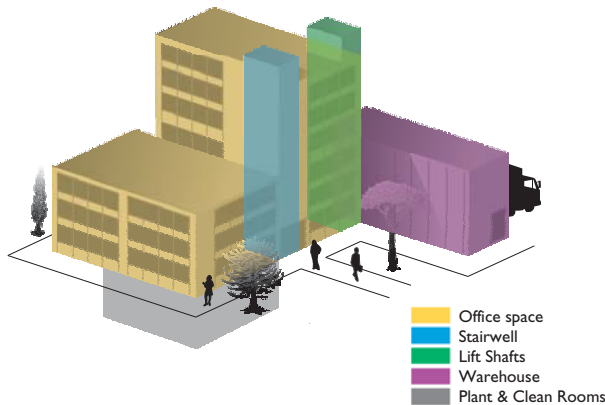


## Improved Access Benefits

- Detectors in secure areas checked without physical access
- Detectors at height or in otherwise hazardous locations safely and quickly tested
- Detectors in tricky locations such as voids, behind cable trays, or in lift / elevator shafts easily tested without expensive access equipment
- Disruption to 24/7 processes or public areas eliminated

## Time and Cost Saving Benefits

- Huge time savings from accessibility gains (even where physical access equipment was not required)
- Sequential testing of multiple units from a single location delivers radical time savings
- Out of hours working minimized or eliminated
- Physical access equipment costs eradicated



### Conventional Testing

Total Test Time\*:

14:58:20

### Testing using Scorpion

Total Test Time\*:

02:07:38

\*Above example of time savings are theoretical only.

## Applications (typical)

- 24/7 public areas such as airports
- Restricted access areas such as prisons, military premises or banks
- Continuously operational areas such as manufacturing plants
- Hard to access areas such as warehouses
- Dangerous to access areas such as top of lift / elevator shafts
- Fire door closing systems

## Features

- Smoke generation tailored for both functional testing of point type smoke detectors and ASD systems
- Adjustable smoke time to suit characteristics of system under test
- Clearing function enables quicker reset and reduced repeat alarms

## Appropriate Stimulus

- Benign particulate delivered in a controlled and repeatable manner
- Reduces possibility of overdosing or contaminating detector through excessive stimulant application
- Approved by world-leading manufacturers

## Suitable detector types

- Optical / photoelectric
- Ionization

## Testing capacity

- In excess of 240 tests of 15 seconds of smoke per Scorpion

## Installation

- Retrofit to existing installations, or onto new systems
- Up to 8 Scorpion heads (ASD or Point) connected to a single Control Panel
- Heads located up to 100m<sup>(1)</sup> away from the panel
- Battery powered

<sup>(1)</sup> Depends on cable used

## Compliance

- The only way to activate inaccessible smoke detector heads in accordance with codes and standards and without the need to work in inaccessible situations
- True functional testing using stimulus with wide smoke particle size range and characteristics to activate different detector technologies
- Resolution of access issues avoids conflict with safety (access) and security rules

## Product Selector



**Scorpion Point Head Unit Kit**  
SCORP 1001



**Scorpion Control Panel**  
SCORP 8000  
(including mounting box)



**Scorpion Power Pack**  
SCORP 50

**Scorpion Battery Cable**  
(for connecting Solo 760  
Battery Baton to Scorpion  
Control Panel)  
SCORP 60



**Solo Universal Fast Battery Charger**  
SOLO 726

## Technical Specifications

### Environment

	Scorpion Battery Pack	Scorpion Head Unit	Scorpion Control Panel
<b>Transport / Storage Temperature</b>	-20°C to 35°C (-4°F to 95°F)	-20°C to 70°C (-4°F to 158°F)	-10°C to 50°C (14°F to 122°F)
<b>Storage Humidity</b>	0-90% RH (non-condensing)	0-90% RH (non-condensing)	0-90% RH (non-condensing)
<b>Operating Temperature</b>	5°C to 45°C (41°F to 113°F)	0°C to 60°C (32°F to 140°F)	5°C to 45°C (41°F to 113°F)
<b>Operating Humidity</b>	0-85% RH (non-condensing)	0-95% RH (non-condensing)	0-85% RH (non-condensing)
<b>Ingress Protection</b>	IP40	IP20	IP40
<b>Weights &amp; Dimensions</b>	523g 139mm (L) x 81mm (W) x 48mm (H)	<200g 155mm (L) x 54mm (W) x 34mm (H) (excluding nozzle)	<500g 150mm (L) x 155mm (W) x 37mm (H)

**Note:** The Scorpion system is designed for specific applications within the above parameters. For additional information regarding location and installation procedures, please refer to the Scorpion User Manual at: [www.scorpion-tester.com](http://www.scorpion-tester.com)

### Safety features

- Scorpions energized only at time of test
- Isolation between Scorpion circuit and detection system
- Internal over-current protection on Scorpion circuit
- Battery over-current cut-out

### Power source and charge data

- Scorpion Battery Pack (SCORP 50) - NiMH rechargeable nominal 7.2v 2.2Ah
- Solo Battery Baton (Solo 760) - NiMH rechargeable nominal 7.2v 2.2Ah
- Charging time 75 - 90 minutes (when completely discharged) using Solo-726 charger

### Cabling

- Scorpion circuit wiring: FP200 1.5 mm<sup>2</sup>, Lapp J-Y(ST) Y 0.5 mm<sup>2</sup>, or equivalent - 4 cores per head unit
- Maximum cable length per Scorpion Control Panel - 100 metres (depending on cable used)
- Maximum Scorpions per Control Panel - 8

As our policy is one of continuous improvement, details of products described within this publication are subject to change without notice. All information provided here is believed to be correct at the time of going to press. Every effort has been made to ensure the accuracy of information which is provided in good faith but nothing contained herein is intended to incorporate any representation or warranty, either express or implied or to form the basis of any legal relations between the parties hereto, additional to or in lieu of such as may be applicable to a contract of sale or purchase.

This information must be read in conjunction with the Scorpion Installation Manual & User Guide which provides further information on Scorpion applications, compatibility and suitability.



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**Scorpion®** is a registered trademark.



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