

REMOTE TESTING



For **POINT SMOKE DETECTORS**



 **scorpion**[®] **POINT**
REMOTE DETECTOR TEST TECHNOLOGY

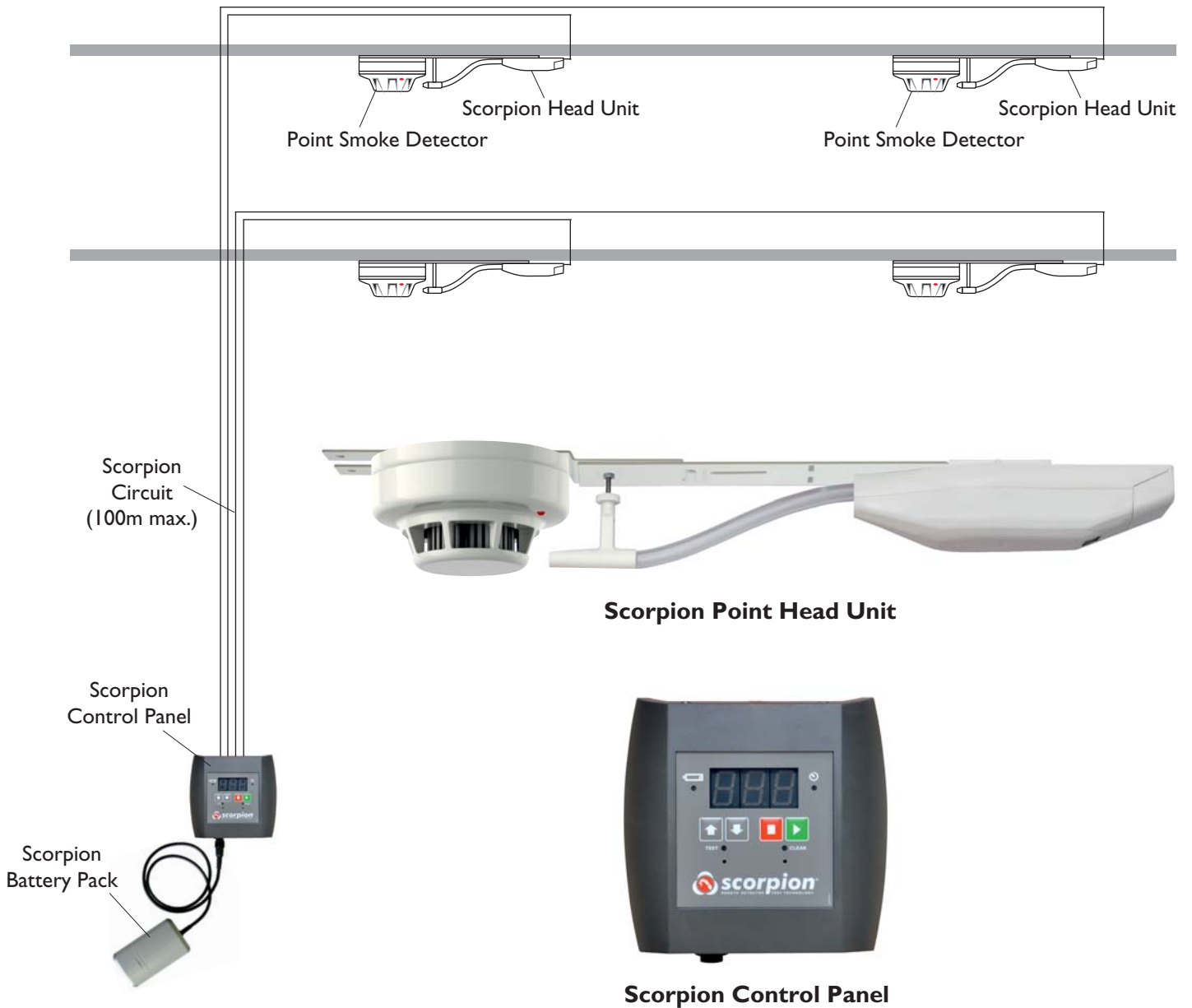
www.scorpion-tester.com

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

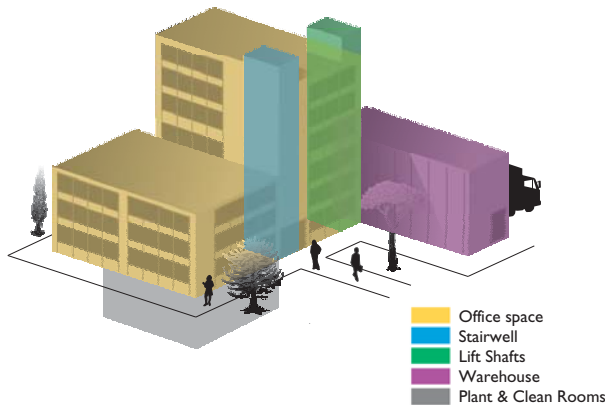


Improved Access Benefits

- 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⁽¹⁾ away from the panel
- Battery powered

⁽¹⁾ 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
Transport / Storage Temperature	-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)
Storage Humidity	0-90% RH (non-condensing)	0-90% RH (non-condensing)	0-90% RH (non-condensing)
Operating Temperature	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)
Operating Humidity	0-85% RH (non-condensing)	0-95% RH (non-condensing)	0-85% RH (non-condensing)
Ingress Protection	IP40	IP20	IP40
Weights & Dimensions	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

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 mm², Lapp J-Y(ST) Y 0.5 mm², 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

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



No Climb Products Ltd
Edison House
163 Dixons Hill Road
Welham Green
Hertfordshire AL9 7JE
United Kingdom

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detectortesters
testing technology from No Climb

Tel: +44 (0) 1707 282 760
Fax: +44 (0) 1707 282 777
info@detectortesters.com

www.detectortesters.com

www.scorpion-tester.com