

SOLO461 Heat Detector Tester

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Invented for life



- ▶ Operating status display with multi-color LED
- ▶ Automatic detector recognition with infrared sensors
- ▶ Automatic switch-off after 5 min. standby time
- ▶ Automatic switch-off in case of battery overvoltage
- ▶ Enters standby mode after 120 seconds of use

The SOLO461 Heat Detector Tester operates with a battery to direct heated air at heat detector sensors. It uses a patented CAT™ (Cross Air Technology) system to focus the air and direct it horizontally at the sensor regardless of the detector's size or shape.

Functions

Cross Air Technology

Under control of a microprocessor, blown air is heated by the element just before exiting the duct. The narrow opening focuses the heated air into a beam. A reference platform incorporated into the Heat Detector Tester ensures that the beam of heated air is correctly lined up with the sensor whatever the shape and size of the detector.

Because the beam of hot air is blown horizontally directly at the sensor:

- Test times are dramatically reduced
- Minimum power is required thereby extending battery life
- The possibility of heat damage to detector plastics is significantly reduced

Tool Operation

When the tool is fully assembled, press the switch on the tester to put the tool into standby mode. When the tester is positioned so that it encloses a detector, the

detector interrupts an infrared beam turning on the heater and blower units in the tester. Hold the tool in place over the detector until either:

- the detector alarms indicating proper operation
- until the tool automatically times out indicating a problem with the detector

When the tool is moved away from the detector or when the tool times out the heater shuts off and the blower runs for a few seconds to cool the heater.

Certifications and approvals

Region	Certification	
Europe	CE	Solo 461
USA	UL	URRQ.S4994, URRQ.S7201 SOLO461

Parts included

Quant.	Component
1	SOLO461 Heat Detector Tester
2	SOLO720 Battery
1	Charging set with mains and car connector
1	Literature pack

Technical specifications

Electrical

Charging set operating voltage	
• Alternating voltage	110 to 240 V AC ~50/60 Hz
• Direct voltage	11 to 16 V DC

Mechanical

Weight	
• Without battery	600 g (21 oz)
• With battery	1.1 kg (38.8 oz)
Dimension (Ø x H)	99.5 mm x 52 mm (3.9 in x 2 in)

Environmental

Operating temperature	5 °C to 45 °C (40 °F to 115 °F)
Storage temperature	-10 °C to 50 °C (15 °F to 120 °F)
Permissible relative humidity	85% (non-condensing)

Trademarks

CAT™ and SOLO™ are trademarks of No Climb Products, Ltd.

Ordering information

SOLO461 Heat Detector Tester

Heat Detector Tester operating with a battery
Order number **SOLO461**

Accessories

SOLO610 Test Equipment Bag

Robust bag made of sturdy woven polyester for carrying and storing test and service products.
Order number **SOLO610**

SOLO100 Telescopic Access Pole

Enables the installation and replacement of fire detectors at high ceilings. Expandable with up to three SOLO101 Fixed Extension Poles. A SOLO100 is supplied in America, while a SOLO106 is supplied elsewhere.
Order number **SOLO100**

SOLO101 Fixed Extension Pole

Enables the installation and replacement of fire detectors at ceilings. Expandable with other Fixed Extension Poles.
Order number **SOLO101**

SOLO720 Battery

Rechargeable battery bar for the SOLO461 Heat Detector Tester
Order number **SOLO720**

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