Test and Service Devices

11

Test Devices **322**

Service Devices **328**

SOLO461 Heat Detector Tester

Features

- **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**
- **Microprocessor maintains constant heat and airflow even with variations in battery voltage**

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		
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	**SOLO461**
Accessories	
SOLO610 Test Equipment Bag Robust bag made of sturdy woven polyester for carrying and storing test and service products.	**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.	**SOLO100**
SOLO101 Fixed Extension Pole Enables the installation and replacement of fire detectors at ceilings. Expandable with other Fixed Extension Poles.	**SOLO101**
SOLO720 Battery Rechargeable battery bar for the SOLO461 Heat Detector Tester	**SOLO720**

SOLO330 Smoke Detector Tester

Features

- **Touch-sensitive, spring-loaded mechanism for effective, economic aerosol delivery**
- **Clear cup allows view of detector LED**
- **Strong and durable modern plastics technology for long life and minimal weight**
- **Compatible with SOLO100 and SOLO101 Poles**

11

Use the SOLO330 Smoke Detector Tester for in place testing of smoke detectors using an aerosol designed to simulate smoke particles.

Certifications and Approvals

Region	Certification		
USA	UL	URRQ.S4994, URRQ.S7201	SOLO330

Parts Included

Quant.	Component
1	SOLO330 Smoke Detector Tester
1	Literature pack

Technical Specifications

Mechanical

Detector size range[1] (Ø)	99 mm (3.9 in)
Weight	567 g (1 lb 4 oz)
Working angle	0° to 90°

[1]Only the sensing chamber needs to be sealed within the tester cup.

Trademarks

SOLO™ is a trademark of No Climb Products, Ltd

Ordering Information

SOLO330 Smoke Detector Tester **SOLO330**
Tests smoke detectors in place using an aerosol.

SOLO100 Telescopic Access Pole

Features

- **Non-conductive at voltage of 20 kV**
- **Expandable with up to three SOLO101 Fixed Extension Poles**

The SOLO100 Telescopic Access Pole enables the installation and replacement of fire detectors at high ceilings. It can be expanded with up to three SOLO101 Fixed Extension Poles.

The Telescopic Access Pole withstands high voltage situations and is checked for Safety compliance in accordance with the requirements of BS EN 61235 Section 12 using an applied voltage of 20 kV.

Technical Specifications

Electrical

Conductivity	Tested per BS EN 61235 Section 12; applied voltage 20 kV

Mechanics

Length	
• Europe, Middle East, Africa	1 m to 3.4 m (3.3 ft to 11.2 ft)
• America	1.26 m to 4.5 m (4.1 ft to 14.8 ft)

Trademarks

SOLO™ is a trademark of No Climb Products, Ltd.

Ordering Information

SOLO100 Telescopic Access Pole Enables the installation and replacement of fire detectors at high ceilings. Expandable with up to three SOLO101 Fixed Extension Poles.	**SOLO100**

Accessories

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

Solo A3-001 Test Aerosol for Optical Smoke Detectors

Spray with 250 ml Test Aerosol for Optical Smoke Detectors,

DU = 12 pieces

Ordering Information

Solo A3-001 Test Aerosol for Optical Smoke Detectors DU = 12 pieces	**Solo A3-001**

Solo CO Testing Gas

Spray with CO testing gas for multisensor detectors with C component.

Contents: approx. 4 l compressed gas

(DU = 12 pieces)

Ordering Information

Solo CO Testing Gas for multisensor detectors with C-sensor, DU = 12 pieces.	**Solo CO test gas**

11

LSN Simulator

By imitating an LSN loop or stub, one at a time, the LSN Simulator enables the testing of the LSN control panel parameters.

The required SenSim software is available for download on the BOSCH ExtraNet (authorized access only).

Suitable for:

- BZ 500 LSN
- UEZ 2000 LSN
- UGM 2020

Ordering Information

LSN Simulator	**IPB-SIM-LSN**

LSN Test Device

By imitating the control panel the LSN Test Device enables the testing of the periphery.

The required PG32 software is available for download on the BOSCH ExtraNet (authorized access only).

Suitable for:

- BZ 500 LSN
- UEZ 2000 LSN
- UGM 2020

Ordering Information

LSN Test Device	**IPB-TD-LSN**

SOLO200 Detector Removal Tool

Features

- **Suitable for a wide range of detector sizes**
- **Adjustable color-coded grips rotate to fit different sized detectors**
- **Universal joint ensures tool remains parallel with ceiling**

With its pivoting grip segments and three different diameters, the SOLO200 Detector Removal Tool is suitable for the insertion and removal of most fire detectors.

The plastic caps ensure secure gripping of fire detectors and thus also protect the detector surface against damage.

Functions

Adjustment of detector sizes

The color-coded grips use a pull and twist motion to rotate to the desired combinations and lock into place to fit the following detector sizes:

Color combination	Detector diameter
Yellow	64 mm to 76 mm (2.5 in to 3 in)
Yellow and red	74 mm to 93 mm (2.91 in to 3.66 in)
Yellow and blue	75 mm to 87 mm (2.95 in to 3.93 in)
Blue	86 mm to 98 mm (3 in to 3.85 in)
Blue and red	92 mm to 105 mm (3.6 in to 4.13 in)
Red	98 mm to 112 mm (3.85 in to 4.4 in)

Universal joint

A universal joint enables detector removal and replacement even if the detector cannot be accessed from directly underneath.

Parts Included

Qty.	Components
1	SOLO200 Detector Removal Tool
2	Plastic caps for the Detector Removal Tool

Note The SOLO100 Telescopic Access Pole or SOLO101 Fixed Extension Pole must be purchased separately.

Technical Specifications

Mechanics

Detector size range (Ø)	64 m to 112 mm (2.5 to 4.4 in)
Weight	1.1 kg (2 lb 7 oz)
Working angle	max. 30°

Trademarks

SOLO™ is a trademark of No Climb Products, Ltd.

Ordering Information

SOLO200 Detector Removal Tool **SOLO200**
Use to remove and replace detectors

FME-420-ADAP Tool Adapter for MS420

The FME-420-ADAPT Tool Adapter can be used in addition to the SOLO200 Detector Removal Tool. The plastic bowl and the adapter pole optimize the insertion and removal of fire detectors when using detector bases with springs (MS 420, FAA-MS 420-R-SP).

Note Use the plastic bowl exclusively with the adapter pole. On the adapter pole there is a rubber bearing that cushions the turning motion when removing the fire detectors and prevents damage.

Ordering Information

FME-420-ADAP Tool Adapter for MS420 **FME-420-ADAP**

Exchanger Device for DO1101A-Ex and DOW 1171

Exchanger Device for the insertion and removal of the following fire detectors:

- DO1101A-Ex Optical Smoke Detector for Ex Areas
- DOW 1171 Optical RF Smoke Detector

Parts Included

Qty.	Components
1	Exchanger Device for DO1101A-Ex and DOW 1171

Note The Exchanger Device fits only on Siemens service poles. The service pole is not included in the scope of delivery.

Ordering Information

Exchanger Device for DO1101A-Ex and DOW 1171 **FAA-RTL-SIEMENS**
fits only on Siemens service poles

SOLO100 Telescopic Access Pole

Features

- **Non-conductive at voltage of 20 kV**
- **Expandable with up to three SOLO101 Fixed Extension Poles**

The SOLO100 Telescopic Access Pole enables the installation and replacement of fire detectors at high ceilings. It can be expanded with up to three SOLO101 Fixed Extension Poles.

The Telescopic Access Pole withstands high voltage situations and is checked for Safety compliance in accordance with the requirements of BS EN 61235 Section 12 using an applied voltage of 20 kV.

Technical Specifications

Electrical

Conductivity	Tested per BS EN 61235 Section 12; applied voltage 20 kV

Mechanics

Length	
• Europe, Middle East, Africa	1 m to 3.4 m (3.3 ft to 11.2 ft)
• America	1.26 m to 4.5 m (4.1 ft to 14.8 ft)

Trademarks

SOLO™ is a trademark of No Climb Products, Ltd.

Ordering Information

SOLO100 Telescopic Access Pole Enables the installation and replacement of fire detectors at high ceilings. Expandable with up to three SOLO101 Fixed Extension Poles.	**SOLO100**

Accessories

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

SOLO101 Fixed Extension Pole

Ordering Information

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

Features

- **Non-conductive at voltage of 20 kV**
- **Expandable with other Fixed Extension Pole**
- **Extension for the SOLO100 Telescopic Access Pole**

The SOLO101 Fixed Extension Pole enables the installation and replacement of fire detectors at ceilings.

Use it individually or with up to three other Fixed Extension Poles. It also can be used with the SOLO100 Telescopic Access Pole.

The Fixed Extension Pole withstands high voltage situations and is checked for safety compliance in accordance with the requirements of BS EN 61235 Section 12 using an applied voltage of 20 kV.

Technical Specifications

Electrical

Conductivity	Tested per BS EN 61235 Section 12; applied voltage 20 kV

Mechanical

Length	
• Europe, Middle East, Africa	1 m (3.3 ft)
• Amerika	1.13 m (3.7 ft)

Trademarks

SOLO™ is a trademark of No Climb Products, Ltd.

SOLO610 Test Equipment Bag

The SOLO610 Test Equipment Bag is made of sturdy woven polyester with a PVC coating for carrying and storing test and service products. It is designed with special compartments to hold a full range of products.

Certifications and Approvals

Trademarks

SOLO™ is a trademark of No Climb Products, Ltd.

Parts Included

Quant.	Component
1	SOLO610 Test Equipment Bag

Ordering Information

SOLO610 Test Equipment Bag Robust bag made of sturdy woven polyester for carrying and storing test and service products.	**SOLO610**