



PRODUCT GUIDE

Fire Alarm & Life Safety
Test & Maintenance Products





SDi is the world's leading provider of specialized equipment for the fire protection and security industries. With a commitment to offering our customers an unparalleled level of service, SDi has been providing manufacturer approved and UL listed products for over 20 years.

Uniquely positioned within the fire protection industry, SDi maintains affiliations with key industry associations and several NFPA committees.

Dedicated to introducing exceptional products and innovative solutions to the fire and security industries, SDi is not only providing quality today but developing technologies for tomorrow.

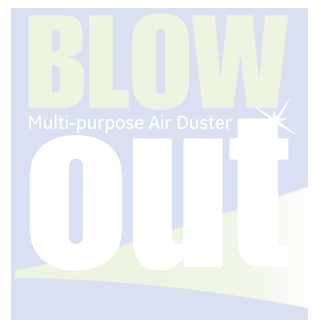


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SMOKE DETECTOR TESTING



Fire detector test and service equipment must be safe for both the engineer and system. At a minimum it must comply with international codes and standards and be approved / endorsed by detector manufacturers and third party listing agencies but it also needs to be cost-effective, portable and versatile. The Solo range meets and exceeds all of these requirements and more.

Functional (or Operational) Testing

Functional testing is accomplished by introducing a smoke, or simulated smoke, stimulus from the protected area through the vents of a detector to the sensor (s). It is required by all national standards around the world and testing by electronic means that do not involve this test is not sufficient to comply.

SOLO330- Aerosol Dispenser



- Universal, lightweight, and simple to use
- Suits detectors up to 4" in diameter, clear cup for view of detector LED
- Spring-loaded for drop ceiling; Swing frame allows for use at any angle
- For use with SOLOA4 or Smoke Centurion (M8) aerosol smoke detector testers
- UL Listed; Manufacturer Approved
- Lifetime Limited Warranty

SOLO365- Electronic Smoke Detector Tester



- Cartridge technology eliminates the need for canned aerosol
 - Cartridges available separately in 6 pack - **SOLOES6**
- Compatible with SOLO access poles
- Faster detector activation and clearing
- Flexible, slim design for access to tight spaces
- Automatic LED for dimly lit areas

SOLOA10- 4.8 oz Non-flammable Aerosol Smoke Detector Tester



- Complies with new global standards
- For use in an enclosed delivery system (Solo 330)
- Non-flammable; Non-toxic, Alcohol based
- Fast activation and clearing
- UL Listed; Manufacturer Approved
- Silicone Free

***Replaces SOLOA4**

SABRE- 2.6 oz Aerosol Smoke Detector Tester



- Faster detector activation and clearing
- More tests per can; lowest cost per test
- Eco-responsible 100% bio-degradable sabre; ozone friendly, no CFC's
- UL Listed; Manufacturer Approved
- Silicone Free

SMOKE CENTURION (M8)- 2.6 oz Aerosol Detector Tester



- For use by hand or with dispenser (Solo 330)
- Fast detector activation and clearing; More tests per can
- No CFC's and low GWP Propellant
- UL Listed; Manufacturer Approved
- Code Compliant
- Silicone Free

SOLO332- Large Aerosol Dispenser



- Universal, lightweight, and simple to use
- Suits detectors up to 7" in diameter, clear cup for view of detector LED
- Spring-loaded for drop ceiling; Swing frame allows for use at any angle
- For use with SOLOA4 or Smoke Centurion (M8) aerosol smoke detector testers
- Lifetime Limited Warranty

SOLOES6 - 6 Pack of Smoke Cartridges



- Replaceable Smoke Cartridges for use with SOLO365 electronic smoke detector tester
- Non-pressurized cartridge - no propellant that contributes to global warming
- On demand smoke - less wastage and risk of contamination

HEAT AND CO DETECTOR TESTING

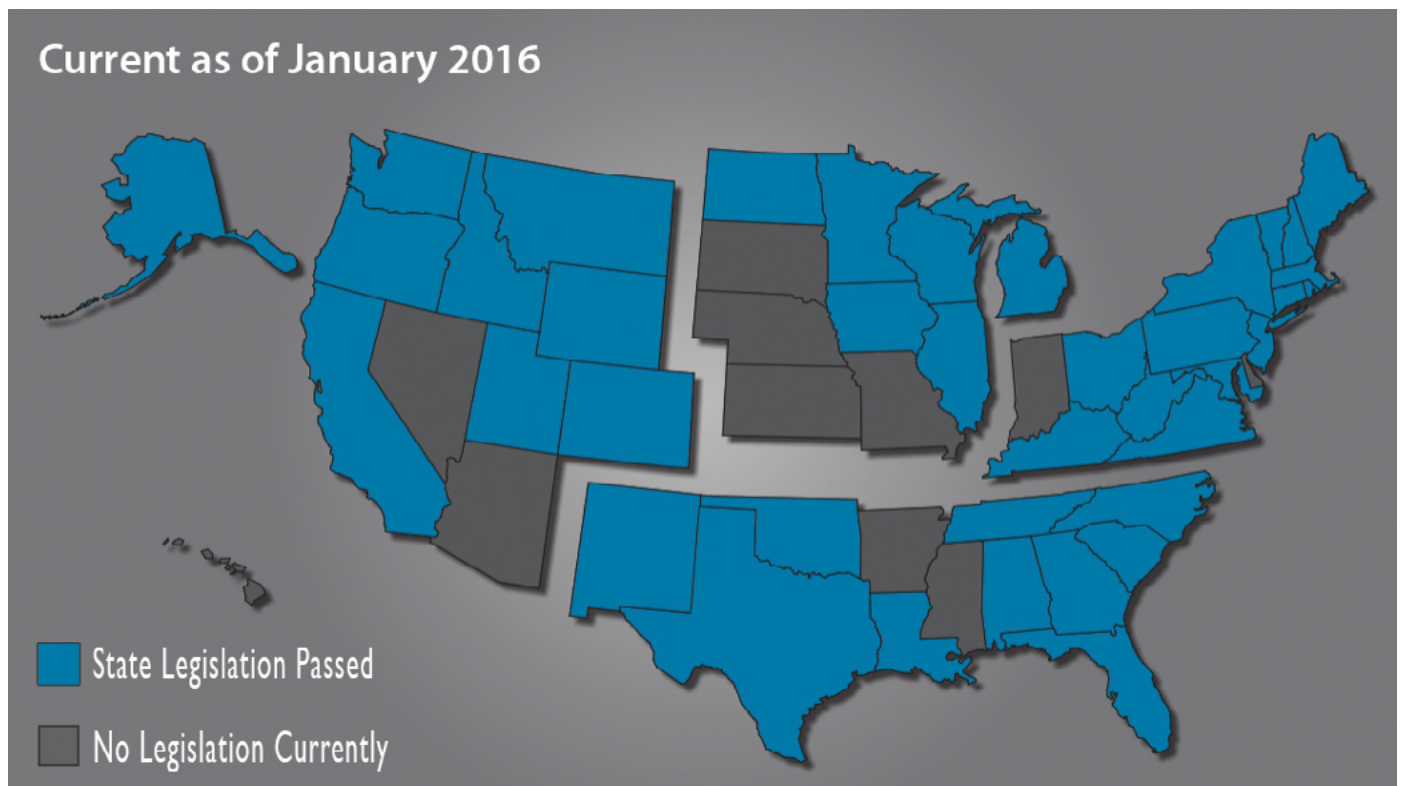
Heat Detector Testing

Functional checking of heat detectors, with a genuine heat source, is now required by major national standards around the world. Testing with heat sources not designed for the purpose can be both dangerous and damaging. The Solo range of heat detector testing equipment, designed specifically for the purpose, provides a genuine professional's solution.

CO Detector Testing

Many multi-sensor fire detectors detect carbon monoxide (CO) as well as smoke and / or heat. Under international codes and standards the CO cell needs to be functionally tested with a CO stimulus from the protected area through the detector vents to the sensor.

Solo C6 – used in conjunction with Solo 330 / 332 dispensers - provides a safe way of achieving this with CO concentration levels high enough to activate an alarm, but low enough not to pose danger to user health.



SOLO460- Cordless Heat Detector Tester



- Lightweight and simple to use
- Suits fixed temp, combination, and ROR detectors up to 194°
- Unique IR activation and Cross Air Technology for optimum energy use
- Directs heat straight at detector for rapid activation

SOLO423/424- 110/120 or 220/240 volt Heat Detector Tester



- 110/120 or 220/240 corded models available
- Supplied with 16ft cable
- Lightweight and simple to use
- Suits fixed temp, combination, and ROR detectors up to 194°
- Unique IR activation and Cross Air Technology for optimum energy use
- Directs heat straight at detector for rapid activation

SOLO461- Cordless Heat Detector Test Kit



- Includes 2 NiMH Batteries and charger
- Lightweight and simple to use
- Suits fixed temp, combination, and ROR detectors up to 194°
- Unique IR activation and Cross Air Technology for optimum energy use
- Directs heat straight at detector for rapid activation

SOLO760- Battery Baton



- For use with the Solo 460 Cordless Heat detector tester and Testfire product range
- Slim NiMH battery
- Non-hazardous battery for easy shipping worldwide

SOLO726- Solo Charger



- Rapid Charger for use with Solo 760 battery batons
- Uses 100-240 V AC or 12 V DC input for charging

SOLOC6- CO Detector Tester



- Safe, controllable, genuine non-flammable CO gas
- Only CO tester approved for Systems Sensor and Interlogix CO Alarms
- Fast test and reset times
- UL Classified; Manufacturer Approved
- Designed for use with system monitored CO detectors

REMOVAL AND CLEANING

Detectors need removal and replacement for various reasons. The vast majority are fitted on bayonet mountings and the task can be done using specialist tools fitted to appropriate access poles. Using such specialist devices saves the time, cost, disruption and risk to safety that ladders, scaffolding or access gear represents.



ACCESS POLES

Access poles are required for detectors out of normal reach. Their use saves the time, cost, disruption and risk to safety that ladders, scaffolding or access gear represents.

The value of these access poles over 'other poles' is not just the quality of their design and manufacture. It becomes evident when they are required on a daily basis and / or are used at great heights. Pull-wound glass fiber construction provides non conductivity with an optimum strength to weight ratio and high tolerance manufacture ensures minimum possible whip or bend at height relative to weight and cost. This, coupled with the simple locking mechanism of the telescopic sections means that these access poles combine ease of use with design and manufacturing excellence.

SOLO200- Detector Removal Tool



- For use with Solo Access Poles
- Universal design suits widest range of detectors
- Color-coded heads rotate to provide a combination of sizes and settings
- Lifetime limited warranty

SOLOA7- Detector Duster



- 8.7 oz can
- High velocity burst and non-flammable formulation
- Simple to use
- Silicone Free

BLOWOUT- Detector Duster



- Large 10 oz can
- Perfect for use with fire alarm test equipment
- No CFC's
- Silicone Free

SOLO743- PDA Holder



- Use in conjunction with Solo access poles
- Scan Bar Codes/Rfid Tags up to 30 Ft.
- Additional custom removal tools available

SOLO100- 15' Access Pole

Solo 100- extends from 4.8ft to 14.9 ft



- Light – easy to use at height, on-site, day after day
- Non-whip – even at height
- Certified non-conductive – protecting both the engineer and overhead live equipment from inadvertent shorts
- Lifetime Limited Warranty

SOLO108- 8' Access Pole

Solo 108- extends from 4ft to 7.2 ft



- Light – easy to use at height, on-site, day after day
- Non-whip – even at height
- Certified non-conductive – protecting both the engineer and overhead live equipment from inadvertent shorts
- Lifetime Limited Warranty

SOLO101- 4' Extension Pole

Solo 101- 3.9 ft



- Light – easy to use at height, on-site, day after day
- Non-whip – even at height
- Certified non-conductive – protecting both the engineer and overhead live equipment from inadvertent shorts
- Lifetime Limited Warranty

DETECTOR TEST KITS

Solo testers are available either as separate components or as complete kits – configured both by height and application. The price of complete kits is usually less than the sum of the component parts.

With the launch of Solo 365, we are also proud to introduce Smart Kits. Designed with portability in mind, the new range of Smart fire detector test kits allows inspectors to move easily around towns, industrial sites, or buildings without the need to carry larger poles and bags. Despite being able to reach heights of approximately 20 feet, the SMART365 Kit is capable of fitting completely inside a convenient backpack.

Solo™ Model No.	Smoke Testing ^{†*}	Heat Testing	CO Testing ^{†**}	Access Height (approx. max.)	Detector Removal	Carrying Case	Sensitivity Testing	Battery Checker	dB Checker	Duct Checker
808	●		●	12ft		●				
809	●		●	20ft		●				
810	●		●	10ft		●				
SMART 365	●			20ft		●				
900	●			30ft	●	●				
851	●	●	●	24ft	●	●				
823	●	●	●	30ft	●	●				
ST1	●	●	●	30ft	●	●	●	●		
ST2	●	●	●	30ft	●	●	●	●	●	●

***Using Smoke Detector Testing Aerosols or Cartridges**

****Using CO Detector Testing Aerosols**

SOLO808- Smoke Starter Kit 12'



- 1 x Solo 108 8ft Access Pole
- 1 x Solo 330 Dispenser
- 12 x Smoke Centurion Aerosols
- 1 x Solo 604 Carrying Bag

SOLO809- Smoke Starter Kit 20'



- 1 x Solo 100 15ft Access Pole
- 1 x Solo 330 Dispenser
- 12 x Smoke Centurion Aerosols
- 1 x Solo 604 Carrying Bag

SOLO810- Smoke Starter Kit 10'



- 1 x Solo 101 4ft Access Pole
- 1 x Solo 330 Dispenser
- 12 x Smoke Centurion Aerosols
- 1 x Solo 604 Carrying Bag

SOLO851- Smoke, Heat, CO Technician Kit 24'



- 1 x Solo 100 15ft Access Pole
- 1 x Solo 101 4ft Extension Pole
- 1 x Solo 200 Universal Removal Tool
- 1 x Solo 330 Dispenser
- 1 x Solo 460 Heat Detector Tester
- 1 x Solo 610 Carrying Bag
- 1 x Solo 726 Battery Charger
- 2 x Solo 760 Battery Batons

SOLO823- Smoke, Heat, CO Enhanced Technician Kit 30'



- 1 x Solo 100 15ft Access Pole
- 3 x Solo 101 4ft Extension Poles
- 1 x Solo 200 Universal Removal Tool
- 1 x Solo 330 Dispenser
- 1 x Solo 460 Heat Detector Tester
- 1 x Solo 610 Carrying Bag
- 1 x Solo 726 Battery Charger
- 2 x Solo 760 Battery Batons

ST1- Solo & Trutest Kit



- 1 x Solo 823 Solo Enhanced Technician Kit
- 1 x Trutest 801 Smoke Detector Sensitivity Tester
- 12 x Smoke 400 Aerosol
- 12 x Solo A4 Smoke Detector Tester
- 12 x Solo A7 Detector Duster
- 1 x CellChecker

ST2- Enhanced Solo & Trutest Kit



- 1 x ST1 Solo and Trutest Kit
- 1 x DuctChecker
- 1 x DB Checker
- 12 x Smoke Centurion

SMART365- Compact Smoke Testing Kit 20'



- 1 x Smart Kit Backpack (with pole bag attachment)
- 1 x Solo 365 Electronic Smoke Detector Test Kit
- 1 x Smart 5.75' Telescopic Pole
- 3 x Smart 1.65' Telescopic Pole

SOLO900- Electronic Smoke Testing Kit 30'



- 1 x Solo 100 15ft Access Pole
- 3 x Solo 101 4ft Extension Poles
- 1 x Solo 200 Universal Removal Tool
- 1 x Solo 365 Electronic Smoke Detector Test Kit
- 1 x Solo 610 Carrying Bag

TESTIFIRE MULTICRITERIA DETECTOR TESTERS

The world's first multi-stimulus detector tester for smoke, heat and / or CO fire detectors enabling faster and more efficient testing of both single and multi-sensor detectors. The production of different stimuli (e.g. smoke, heat) can be achieved sequentially or simultaneously.

Testifire's array of advanced and intelligent technologies changes traditional approaches to test stimuli production and delivery.

Testifire is the result of several years of technological development to meet 21st century health, safety, environment and technological demands.



TF1000- Smoke/Heat Detector Tester



- Head Unit only
- Uses Testfire Smoke Capsules
- Fully programmable to carry out single, simultaneous or combined test cycles
- 1 x Smoke Capsule

TF1001- Smoke/Heat Detector Tester



- Testfire 1000 Head Unit
- 1 x Smoke Capsule
- 1 x Solo 726 Battery Charger
- 2 x Solo 760 Battery Batons

TF2000- Smoke/Heat/CO Detector Tester



- Head Unit only
- Uses Testfire Smoke Capsules and Testfire CO Capsules
- Fully programmable to carry out single, simultaneous or combined test cycles
- 1 x Smoke Capsule
- 1 x CO Capsule

TF2001- Smoke/Heat/CO Detector Tester



- Testfire 2000 Head Unit
- 1 x Smoke Capsule and 1 x CO Capsule
- 1 x Solo 726 Battery Charger
- 2 x Solo 760 Battery Batons

TS3- 3 pack of smoke capsules



- Replaceable Smoke Capsules for use with Testfire 1000 and 2000 detector testers
- ~600 uses per capsule

TC3- 3 pack of CO capsules



- Replaceable Carbon Monoxide Capsules for use with Testfire 2000 models only
- ~150 uses per capsule

TF25- Testfire Remote Control



- An optional accessory, the remote control is required only for situations where the IR test beam of Testfire that triggers or stops a test is not broken by a physical presence

SOLO760- Battery Baton



- For use with the Solo 460 Cordless Heat detector tester and Testfire product range
- Slim NiMH battery
- Non-hazardous battery for easy shipping worldwide

SOLO726- Solo Charger



- Rapid Charger for use with Solo 760 batons
- Uses 100-240 V AC or 12 V DC input for charging

TESTIFIRE MULTICRITERIA DETECTOR TEST KITS

testifire® Model No.	Smoke Testing*	Heat Testing	CO Testing**	Access Height (approx. max.)	Detector Removal	Carrying Case
TF1851	●	●		24ft	●	●
TF1823	●	●		30ft	●	●
TF2851	●	●	●	24ft	●	●
TF2823	●	●	●	30ft	●	●

DETECTOR SENSITIVITY TESTING

Trutest enables fire alarm technicians to measure the sensitivity of installed smoke detectors quickly, accurately, easily, and professionally. A revolutionary product, Trutest not only introduces a smoke test aerosol through the vents of the installed detector to the sensing chamber, but operates using a precision closed loop system - measuring smoke obscuration and feeding back information to a controlling microprocessor.

- Reduces false alarms - a huge problem in the industry
- Verifies the protection you need from your detector
- Battery operated and portable
- Simple to use
- Suits most detectors - both ionization and photoelectric
- Calibrated in % / ft
- Sensitivity tests installed detectors without removing them
- Automatically self-calibrates before each test
- Measures actual detector sensitivity

TF1851- Smoke & Heat Detector Testing Kit 24'



- 1 x Smoke & Heat Detector Tester
- 1 x Solo 100 Access Pole
- 1 x Solo 101 Extension Pole
- 1 x Solo 200 Removal Tool
- 1 x Solo 610 Carrying Bag
- 1 x Smoke Capsule
- 2 x Solo 760 Battery Batons
- 1 x Solo 726 Battery Charger

TF1823- Smoke & Heat Detector Testing Kit 30'



- 1 x Smoke & Heat Detector Tester
- 1 x Solo 100 Access Pole
- 3 x Solo 101 Extension Poles
- 1 x Solo 200 Removal Tool
- 1 x Solo 610 Carrying Bag
- 1 x Smoke Capsule
- 2 x Solo 760 Battery Batons
- 1 x Solo 726 Battery Charger

TF2851- Smoke, Heat & CO Detector Testing Kit 24'



- 1 x Smoke, Heat & CO Detector Tester
- 1 x Solo 100 Access Pole
- 1 x Solo 101 Extension Pole
- 1 x Solo 200 Removal Tool
- 1 x Solo 610 Carrying Bag
- 1 x Smoke Capsule
- 1 x CO Capsule
- 2 x Solo 760 Battery Batons
- 1 x Solo 726 Battery Charger

TF2823- Smoke, Heat & CO Detector Testing Kit 30'



- 1 x Smoke, Heat & CO Detector Tester
- 1 x Solo 100 Access Pole
- 3 x Solo 101 Extension Poles
- 1 x Solo 200 Removal Tool
- 1 x Solo 610 Carrying Bag
- 1 x Smoke Capsule
- 1 x CO Capsule
- 2 x Solo 760 Battery Batons
- 1 x Solo 726 Battery Charger

TT801- Trutest Smoke Detector Sensitivity Tester



- UL Listed
- Battery operated and easily portable
- Simple to use
- Suits most detectors - both ionization and photoelectric
- Calibrated and results in % / ft
- Automatically self-calibrates before each test
- Measures actual detector sensitivity

TT800KIT- Trutest Smoke Detector Sensitivity Tester Kit



- 1 x Trutest 801 Smoke Detector Sensitivity Tester
- 12 x Trutest Smoke 400 Detector Test Aerosol Canisters
- Storage case and pole bag
- 1 x Solo Telescopic Access Pole

SMOKE 400 Detector Test Aerosol



- 9.5 oz can
- UL Listed
- For use with Trutest 801
- Non-flammable

ALARM COMPONENT TESTERS

SDi offers a wide range of alarm component test tools to complement our detector test equipment. These tools include devices for testing auxiliary components of alarm systems, such as batteries and audible appliances, as well as testing solutions for duct detectors.



CELL03- CellChecker



- Accurate pulse load testing
- Tests SLA batteries
- Identifies weak or failing batteries in alarm systems
- Tests battery performance - not just voltage/internal resistance

Accessories:

- CELL01CS Padded Case
- CELL01LD 48" Lead with Charger (Plier-Type)
- CELL01RL 48" Lead with Clamps (Clip-Type)
- CELLPAC CellChecker Accessory Kit

DB02- DB Checker



- Ideal for testing audible public emergency alarm appliances
- Easy to use
- Conforms to NFPA 72
- Meets IEC651 Type2 and ANSI S1.4 Type 2 standards

PC01- PowerChecker



- Accurate pulse load testing
- Ideal for wireless detectors
- Computes state of charge (SoC) for more than 40 battery types
- Easy to use - no switches or settings
- Test battery condition - quickly and easily identifies weak or failing batteries

DUCT01- DuctChecker



- Samples air stream in duct detectors
- Easy to use
- Conforms to NFPA 72
- Meets CAN/ULC S536-04, 5.7.4.4.1
- Includes custom hard case

AV02- AVChecker



- Ensures duct detector will sample the air velocity correctly
- Easy to use
- Conforms to NFPA 72
- Meets CAN/ULC S536-04,5.7.4.4.1
- Includes custom hard case
- Digital Thermometer function

DB01- DB Checker



- Meets IEC651 Type2 and ANSI S1.4 Type 2 standards
- Measurement Range: 32 to 130 dB
- A or C frequency weighting
- Fast or slow time weighting
- Includes 4 plugs

VIEW01- ViewChecker



- Ideal for capturing still images, video clips or hard-to-see areas of equipment
- Long 6ft. flexible-obedient probe
- Video Out jack and cable
- Great for HVAC Duct Inspection
- Includes custom hard case

SPEECH INTELLIGIBILITY TESTING

The introduction of VOX brings good news to many: finally a STIPA meter that is accurate, reliable and affordable at the same time! Designed from scratch by the very team that invented STIPA and was responsible for the development of the Speech Transmission Index for the last few decades.

The VOX, with its full-color touch screen, is easy to use and understand even to first-time users of the Speech Transmission Index. The casual STI user will not have to deal with impossible key combinations, incredibly complex calibration procedures and other discomforts that people have come to expect from STI measuring tools. To the contrary, the VOX is easy to use, intuitive and almost plug-and-play. At the same time, even seasoned STI experts will find every feature they ever wanted.



Every STIPA measurement, whether it is with our meter or any other device, needs a source for the STIPA test signal. The VOXBOX is the most reliable and accurate source on the market.

The VOXBOX can be used as an electronic signal source by utilizing the line-out connection. Or it can be used as a calibrated acoustic signal source, due to its integrated loudspeaker. The VOXBOX is designed to accurately play the STIPA test signal, as well as several other test signals. The device features an interactive LCD touchscreen to show, which allows you to easily control all features and monitor its settings at a glance.

As of 2017, the VOX and VOXBOX are also capable of full STI testing using the direct method in 65 seconds. In addition, free VOX updates are constantly released that add new features to the device, such as RT60, Noise Curves, Speech Level Measurements, and much more.

VOX01- VOX Speech Intelligibility Meter



- Easy to use
- Touch screen
- USB port
- Meets IEC651 Type2 and ANSI S1.4 Type 2 standards
- Complies with NFPA 72 - 2013, ANNEX D
- Includes custom hard case
- Type 2 / class 2 Sound Level Meter (fast, slow, A/C.Z-weighting)

VOXBOX- VOXBOX Talkbox



- Loudspeaker frequency range 20 - 15,000 Hz
- Plays back signal at a standardized (calibrated) signal levels of 54-72 dB(A) @ 1m
- Signal level can be increased/ decreased relative to nominal level to test dynamics
- Powered through external power supply (included)
- Includes custom hard case

VOXKIT- Intelligibility Measurement Kit



- Kit includes VOX01 and VOXBOX
- Discounted when purchased as a bundle
- Contains all that's needed for speech intelligibility measurements using STIPA or Full STI
- Calibrated meter and signal source (talkbox)
- Includes custom hard case

VOXKITCS- VOX & VOXBOX Custom Hard Case



- Custom hard case
- Conveniently fits VOX and VOXBOX, along with all of their components such as chargers, microphone, wind screen, calibration certificates, etc.
- Included with all purchases of VOX & VOXBOX, or available for separate purchase.
- Also available for VOX and VOXBOX standalone units. (VOXCS & VOXBOXCS)



Fire Suppression Testing Tools

SDi is proud to announce a brand new range of products. From clean agent to water based systems, we now offer a full line of fire suppression system testing tools.

Our products are designed for non-invasive determination of liquid level or any liquefied gas under pressure, in addition to the testing of integrity of suppression machinery and watertight seals. Utilizing advanced ultrasonic technology, these tools can deliver an accurate and reliable reading in minimal time.



Portalevel Max- Liquid Level Tester



- Test a cylinder in 30 seconds
- Accurate to 1.5mm off the true liquid level
- Tests clean agent based systems
- 10 hour battery life
- Ultrasonic technology - no radiation/non-intrusive
- 3 year warranty
- UL listed
- Complies with NFPA 12A, 17A, 25, 2001
- Marine and intrinsically safe versions available

Portalevel Standard- Liquid Level Tester



- Test a cylinder in under a minute
- Accurate to 1.5mm off the true liquid level
- Tests clean agent based systems
- 10 hour battery life
- Ultrasonic technology - no radiation/non-intrusive
- Dual LCD and LED display
- 3 year warranty
- Complies with NFPA 12A, 17A, 25, 2001

Portalevel Mini- Compact Liquid Level Tester



- Test a cylinder in under a minute
- Accurate to 1.5mm off the true liquid level
- Tests clean agent based systems
- More compact and versatile than other models
- 10 hour battery life
- Dual LCD and LED display
- 3 year warranty
- Complies with NFPA 12A, 17A, 25, 2001

Portalevel Datalogger - Liquid Level Tester and Data Collector



- Test a cylinder and store data in 130 seconds
- Accurate to 1.5mm off the true liquid level
- Tests clean agent based systems
- Ability to transmit data via USB
- 10 hour battery life
- Dual LCD and LED display
- 3 year warranty
- Complies with NFPA 12A, 17A, 25, 2001

Portasteel- Calculator for Agent Fill-Weight of a Cylinder



- Works in conjunction with Portalevel
- Converts the liquid level obtained into the exact fill-weight of agent inside the cylinder
- 7 inch hand-held tablet
- Can also convert known agent weight into a predicted liquid level
- Complies with NFPA 12A, 17A, 25, 2001

Permalevel Load Weigh- Cylinder Monitoring Device



- Low-cost alternative to continuous fire suppressant cylinder monitoring
- Tests clean agent based systems
- Capable of monitoring the contents of any number of cylinders
- Ideal for CO2 systems
- No power supply needed due to the purely mechanical nature of the system
- Complies with NFPA 12A, 17A, 25, 2001

Portagauge 3- Low-Cost Ultrasonic Thickness Gauge



- Accurate to .5mm
- Designed for corrosion testing
- Tests clean agent and fire sprinkler suppression systems
- Utilizes single echo technology
- 50 hour battery life
- 3 year warranty
- Ultrasonic technology - no radiation/non-intrusive
- Complies with NFPA 12A, 17A, 25, 2001

Portagauge 4- Analytical Thickness Gauge



- Accurate to .1mm
- Ignores paint layer
- Designed for corrosion testing
- Tests clean agent and fire sprinkler suppression systems
- Utilizes triple echo technology
- 50 hour battery life
- 3 year warranty
- Ultrasonic technology - no radiation/non-intrusive
- Complies with NFPA 12A, 17A, 25, 2001

Portapipe- Ultrasonic Pipe Integrity Indicator



- Ideal for testing for leaks in pipes
- Identifies leaks as small as 1mm
- Tests clean agent and fire sprinkler suppression systems
- 10 hour battery life
- No fuss setup - magnetically mountable
- 3 year warranty
- Ultrasonic technology - no radiation/ non-intrusive
- Complies with NFPA 2001, ISO 14520

Portascanner- Ultrasonic Watertight Integrity Indicator



- Ideal for inspecting hatch covers, watertight doors, or any watertight compartment
- Identifies leaks as small as .06mm \pm .02mm
- 10 hour battery life
- No fuss setup - magnetically mountable
- 3 year warranty
- Ultrasonic technology - no radiation/ non-intrusive
- Complies with NFPA 2001, ISO 14520

Portamonitor- Fire Pump Condition Indicator Tool






- Monitors the health and lubrication of bearings on fire sprinkler systems
- Charges via USB for easy charging anywhere
- 12 hour battery life
- Dual LCD and LED display
- 3 year warranty
- Ultrasonic technology - no radiation/ non-intrusive
- Complies with NFPA 20, 25

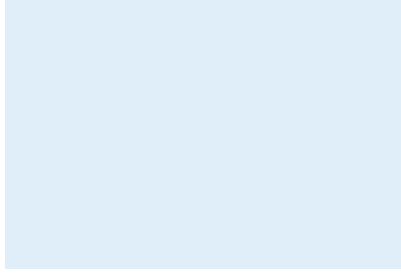






SDi SERVICE



In addition to providing the best fire and life safety system test and inspection equipment in the industry, SDi also provides service and support for all equipment that we offer. Our products are backed by SDi's industry leading limited lifetime and one year warranties. Our trained technicians provide customers with outstanding telephone support, repair and recalibration services as well as online and onsite training.



Our service center, located in Neptune, NJ, provides timely and quality repair and calibration services for our TRUTEST sensitivity tester as well as being an exchange center for TESTIFIRE, our next generation, functional smoke, heat, CO detector tester. Repair and replacement services are also available for all of our other product lines. Please contact our service team for more details. Service Vouchers are available at the time of purchase. Expedited services are also available.



For service inquires please call **732-751-9266** or email a member of our team at **service@sdifire.com**

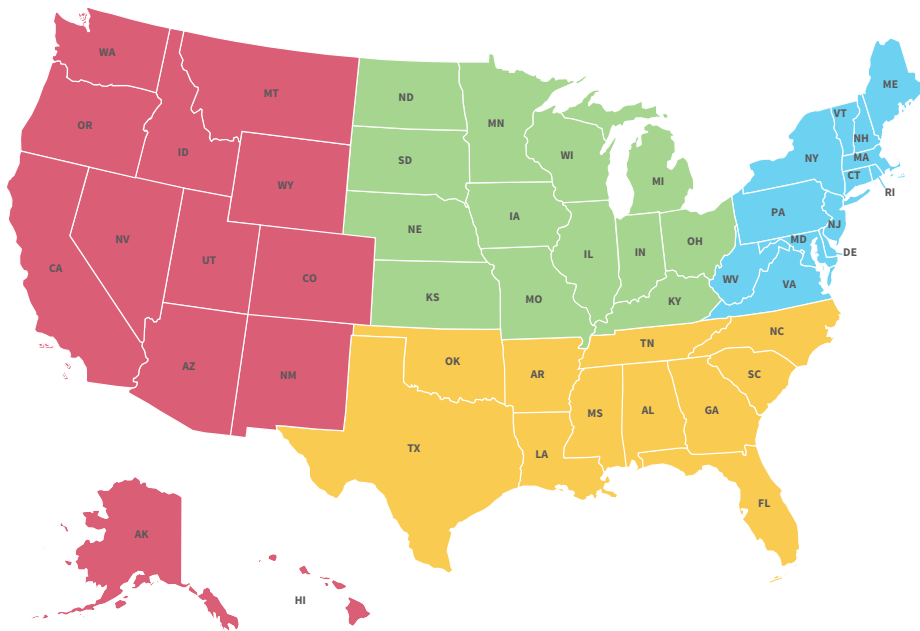
SDi, LLC.
3535 Route 66, Building 6
Neptune, NJ 07753
Phone 732-751-9266
Fax 732-751-9241

To request an RMA, please visit:

www.sdifire.com/support

SDi SALES

To request a quote for any of our products, a quote request can easily be submitted on our website. If any further assistance is needed, please refer to the map below to contact your regional sales manager.



- Western Region**
Ivy Moon
ivy.moon@sdifire.com
Cell: 310-344-6608
- Midwest Region**
Andrea Barghini
andrea.barghini@sdifire.com
Cell: 312-402-4550
- Southern Region**
Lynde Bailey
lynde.bailey@sdifire.com
Cell: 813-508-5111
- Northeast Region**
Pat Ryan
pat.ryan@sdifire.com
Cell: 732-299-2402

SDi, LLC.
www.sdifire.com
3535 Route 66, Building 6
Neptune, NJ 07753
Phone 732-751-9266
Fax 732-751-9241



PRODUCT GUIDE

Fire Alarm & Life Safety
Test & Maintenance Products





SDi is the world's leading provider of specialized equipment for the fire protection and security industries. With a commitment to offering our customers an unparalleled level of service, SDi has been providing manufacturer approved and UL listed products for over a decade.

Uniquely positioned within the fire protection industry, SDi maintains affiliations with key industry associations and several NFPA committees.

Dedicated to introducing exceptional products and innovative solutions to the fire and security industries, SDi is not only providing quality today but developing technologies for tomorrow.

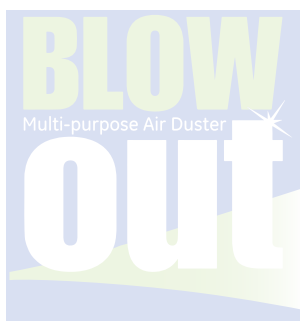


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SMOKE DETECTOR TESTING



Fire detector test and service equipment must be safe for both the engineer and system. At a minimum it must comply with international codes and standards and be approved / endorsed by detector manufacturers and third party listing agencies but it also needs to be cost-effective, portable and versatile. The Solo range meets and exceeds all of these requirements and more.

Functional (or Operational) Testing

Functional testing is accomplished by introducing a smoke, or simulated smoke, stimulus from the protected area through the vents of a detector to the sensor (s). It is required by all national standards around the world and testing by electronic means that do not involve this test is not sufficient to comply.

SOLO330- Aerosol Dispenser



- Universal, lightweight, and simple to use
- Suites detectors up to 4' in diameter, clear cup for view of detector LED
- Spring-loaded for drop ceiling; Swing frame allows for use at any angle
- For use with SOLOA4 or Smoke Centurion (M8) aerosol smoke detector testers
- UL Listed; Manufacturer Approved
- Lifetime Limited Warranty



SOLO332- Large Aerosol Dispenser



- Universal, lightweight, and simple to use
- Suites detectors up to 7' in diameter, clear cup for view of detector LED
- Spring-loaded for drop ceiling; Swing frame allows for use at any angle
- For use with SOLOA4 or Smoke Centurion (M8) aerosol smoke detector testers
- Lifetime Limited Warranty

SOLOA10- 4.8oz Non-flammable Aerosol Smoke Detector Tester



- For use in an enclosed delivery system (Solo 330)
- Non-flammable; Non-toxic, Alcohol based
- Fast activation and clearing
- UL Listed; Manufacturer Approved
- Code Compliant
- Silicone Free



SABRE- 2.6 oz Aerosol Smoke Detector Tester



- Faster detector activation and clearing
- More tests per can; lowest cost per test
- Eco-responsible 100% bio-degradable sabre; ozone friendly, no CFC's
- UL Listed; Manufacturer Approved
- Silicone Free



SMOKE CENTURION (M8)- 2.6 oz Aerosol Detector Tester



- For use by hand or with dispenser (Solo 330)
- Fast detector activation and clearing; More tests per can
- No CFC's and low GWP Propellant
- UL Listed; Manufacturer Approved
- Code Compliant
- Silicone Free



HEAT AND CO DETECTOR TESTING

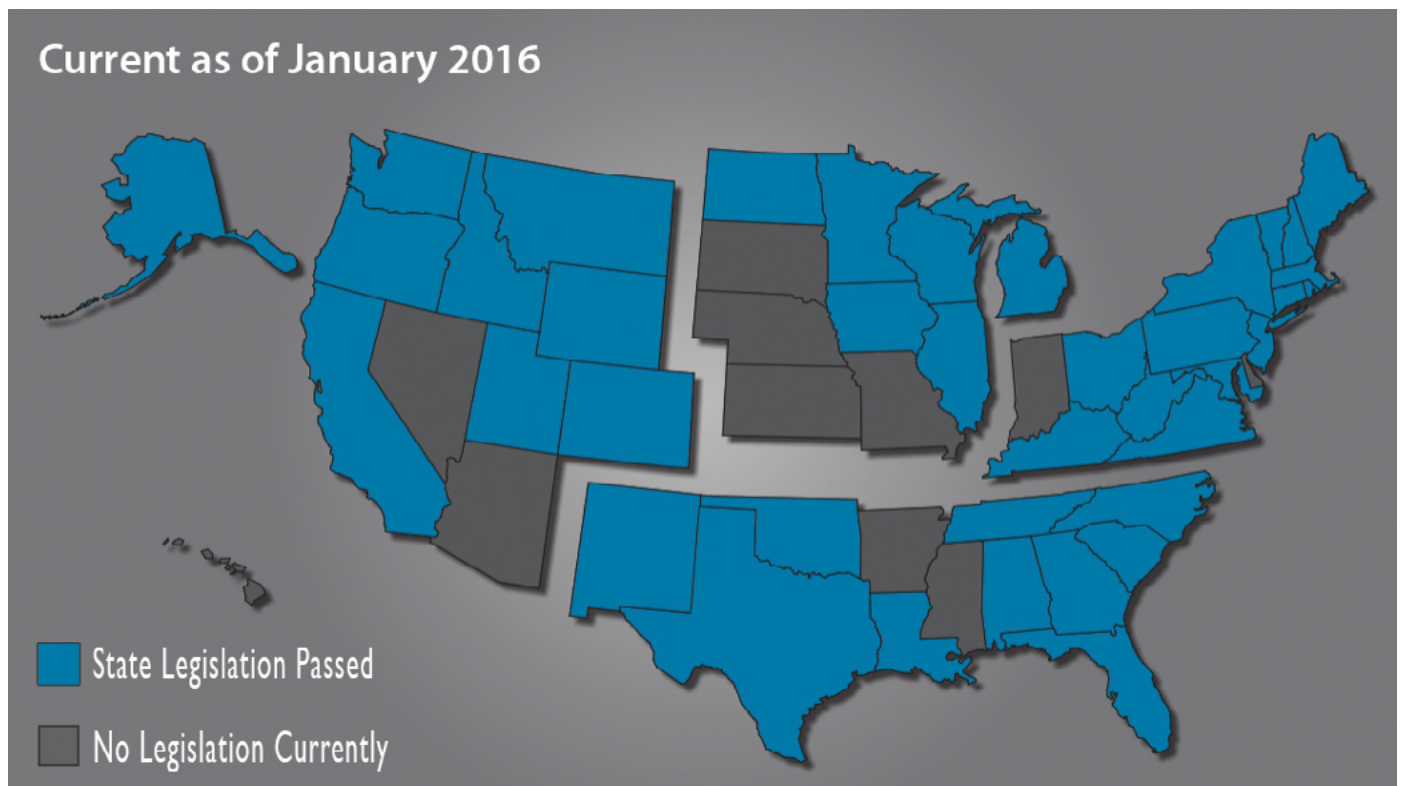
Heat Detector Testing

Functional checking of heat detectors, with a genuine heat source, is now required by major national standards around the world. Testing with heat sources not designed for the purpose can be both dangerous and damaging. The Solo range of heat detector testing equipment, designed specifically for the purpose, provides a genuine professional's solution.

CO Detector Testing

Many multi-sensor fire detectors detect carbon monoxide (CO) as well as smoke and / or heat. Under international codes and standards the CO cell needs to be functionally tested with a CO stimulus from the protected area through the detector vents to the sensor.

Solo C6 – used in conjunction with Solo 330 / 332 dispensers - provides a safe way of achieving this with CO concentration levels high enough to activate an alarm, but low enough not to pose danger to user health.



SOLO460- Cordless Heat Detector Tester



- Lightweight and simple to use
- Suites fixed temp, combination, and ROR detectors up to 194°
- Unique IR activation and Cross Air Technology for optimum energy use
- Directs heat straight at detector for rapid activation

SOLO423/424- 110/120 or 220/240 volt Heat Detector Tester



- 110/120 or 220/240 corded models available
- Supplied with 16ft cable
- Lightweight and simple to use
- Suites fixed temp, combination, and ROR detectors up to 194°
- Unique IR activation and Cross Air Technology for optimum energy use
- Directs heat straight at detector for rapid activation

SOLO461- Cordless Heat Detector Test Kit



- Includes 2 NiMH Batteries and charger
- Lightweight and simple to use
- Suites fixed temp, combination, and ROR detectors up to 194°
- Unique IR activation and Cross Air Technology for optimum energy use
- Directs heat straight at detector for rapid activation

SOLO760- Battery Baton



- For use with the Solo 460 Cordless Heat detector tester
- Slim NiMH battery
- Non-hazardous battery for easy shipping worldwide

SOLO726- Solo Charger



- Rapid Charger for use with Solo 760 battery batons
- Uses 100-240 V AC or 12 V DC input for charging

SOLOC6- CO Detector Tester



- Safe, controllable, genuine non-flammable CO gas
- Only CO tester approved for Systems Sensor and Interlogix CO Alarms
- Fast test and reset times
- UL Classified; Manufacturer Approved
- Designed for use with system monitored CO detectors

REMOVAL AND CLEANING

Detectors need removal and replacement for various reasons. The vast majority are fitted on bayonet mountings and the task can be done using specialist tools fitted to appropriate access poles. Using such specialist devices saves the time, cost, disruption and risk to safety that ladders, scaffolding or access gear represents.



ACCESS POLES

Access poles are required for detectors out of normal reach. Their use saves the time, cost, disruption and risk to safety that ladders, scaffolding or access gear represents.

The value of these access poles over 'other poles' is not just the quality of their design and manufacture. It becomes evident when they are required on a daily basis and / or are used at great heights. Pull-wound glass fiber construction provides non conductivity with an optimum strength to weight ratio and high tolerance manufacture ensures minimum possible whip or bend at height relative to weight and cost. This, coupled with the simple locking mechanism of the telescopic sections means that these access poles combine ease of use with design and manufacturing excellence.

SOLO200- Detector Removal Tool



- For use with Solo Access Poles
- Universal design suits widest range of detectors
- Color-coded heads rotate to provide a combination of sizes and settings
- Lifetime limited warranty

SOLOA7- Detector Duster



- 8.7 oz can
- High velocity burst and non-flammable formulation
- Simple to use
- Silicone Free

BLOWOUT- Detector Duster



- Large 10 oz can
- Perfect for use with fire alarm test equipment
- No CFC's
- Silicone Free

SOLO743- PDA Holder



- Use in conjunction with Solo access poles
- Scan Bar Codes/Rfid Tags up to 30 Ft.
- Additional custom removal tools available

SOLO100- 15' Access Pole

Solo 100- extends from 4.8ft to 14.9 ft



- Light – easy to use at height, on-site, day after day
- Non-whip – even at height
- Certified non-conductive – protecting both the engineer and overhead live equipment from inadvertent shorts
- Lifetime Limited Warranty

SOLO108- 8' Access Pole

Solo 108- extends from 4ft to 7.2 ft



- Light – easy to use at height, on-site, day after day
- Non-whip – even at height
- Certified non-conductive – protecting both the engineer and overhead live equipment from inadvertent shorts
- Lifetime Limited Warranty

SOLO101- 4' Extension Pole

Solo 101- 3.9 ft



- Light – easy to use at height, on-site, day after day
- Non-whip – even at height
- Certified non-conductive – protecting both the engineer and overhead live equipment from inadvertent shorts
- Lifetime Limited Warranty

DETECTOR TEST KITS

Solo testers are available either as separate components or as complete kits – configured both by height and application. The price of complete kits is usually less than the sum of the component parts.

SOLO808- Smoke Starter Kit 12'



- 1 x Solo 108 8ft Access Pole
- 1 x Solo 330 Dispenser
- 12 x Smoke Centurion Aerosols
- 1 x Solo 604 Carrying Bag

SOLO809- Smoke Starter Kit 20'



- 1 x Solo 100 15ft Access Pole
- 1 x Solo 330 Dispenser
- 12 x Smoke Centurion Aerosols
- 1 x Solo 604 Carrying Bag

SOLO810- Smoke Starter Kit 10'



- 1 x Solo 101 4ft Access Pole
- 1 x Solo 330 Dispenser
- 12 x Smoke Centurion Aerosols
- 1 x Solo 604 Carrying Bag

SOLO851- Smoke, Heat, CO Technician Kit 24'



- 1 x Solo 100 15ft Access Pole
- 1 x Solo 101 4ft Extension Pole
- 1 x Solo 200 Universal Removal Tool
- 1 x Solo 330 Dispenser
- 1 x Solo 460 Heat Detector Tester
- 1 x Solo 610 Carrying Bag
- 1 x Solo 726 Battery Charger
- 2 x Solo 760 Battery Batons

SOLO823- Smoke, Heat, CO Enhanced Technician Kit 30'



- 1 x Solo 100 15ft Access Pole
- 3 x Solo 101 4ft Extension Poles
- 1 x Solo 200 Universal Removal Tool
- 1 x Solo 330 Dispenser
- 1 x Solo 460 Heat Detector Tester
- 1 x Solo 610 Carrying Bag
- 1 x Solo 726 Battery Charger
- 2 x Solo 760 Battery Batons

ALARM COMPONENT TESTERS

SDi offers a wide range of alarm component test tools to complement our detector test equipment. These tools include devices for testing auxiliary components of alarm systems, such as batteries and audible appliances, as well as testing solutions for duct and flame detectors.



CELL03- CellChecker



- Accurate pulse load testing
- Tests SLA batteries
- Identifies weak or failing batteries in alarm systems
- Tests battery performance - not just voltage/internal resistance

Accessories:

- CELL01CS Padded Case
- CELL01LD 48" Lead with Charger (Plier-Type)
- CELL01RL 48" Lead with Clamps (Clip-Type)
- CELLPAC CellChecker Accessory Kit

DB02- DB Checker



- Ideal for testing audible public emergency alarm appliances
- Easy to use
- Conforms to NFPA 72
- Meets IEC651 Type2 and ANSI S1.4 Type 2 standards

PC01- PowerChecker



- Accurate pulse load testing
- Ideal for wireless detectors
- Computes state of charge (SoC) for more than 40 battery types
- Easy to use - no switches or settings
- Test battery condition - quickly and easily identifies weak or failing batteries

DUCT01- DuctChecker



- Samples air stream in duct detectors
- Easy to use
- Conforms to NFPA 72
- Meets CAN/ULC S536-04, 5.7.4.4.1
- Includes custom hard case

AV02- AVChecker



- Ensures duct detector will sample the air velocity correctly
- Easy to use
- Conforms to NFPA 72
- Meets CAN/ULC S536-04,5.7.4.4.1
- Includes custom hard case
- Digital Thermometer function

DB01- DB Checker



- Meets IEC651 Type2 and ANSI S1.4 Type 2 standards
- Measurement Range: 32 to 130 dB
- A or C frequency weighting
- Fast or slow time weighting
- Includes 4 plugs




VIEW01- ViewChecker




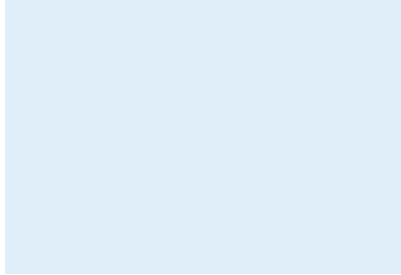
- Ideal for capturing still images, video clips or hard-to-see areas of equipment
- Long 6ft. flexible-obedient probe
- Video Out jack and cable
- Great for HVAC Duct Inspection
- Includes custom hard case




SDi SERVICE



In addition to providing the best fire and life safety system test and inspection equipment in the industry, SDi also provides service and support for all equipment that we offer. Our products are backed by SDi's industry leading limited lifetime and one year warranties. Our trained technicians provide customers with outstanding telephone support, repair and recalibration services as well as online and onsite training.



Our service center, located in Neptune, NJ, provides timely and quality repair and calibration services for our TRUTEST. Repair and replacement services are also available for all of our other product lines. Please contact our service team for more details. Service Vouchers are available at the time of purchase. Expedited services are also available.



For service inquires please call **732-751-9266** or email a member of our team at **service@sdifire.com**

SDi, LLC.

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Neptune, NJ 07753

Phone 732-751-9266

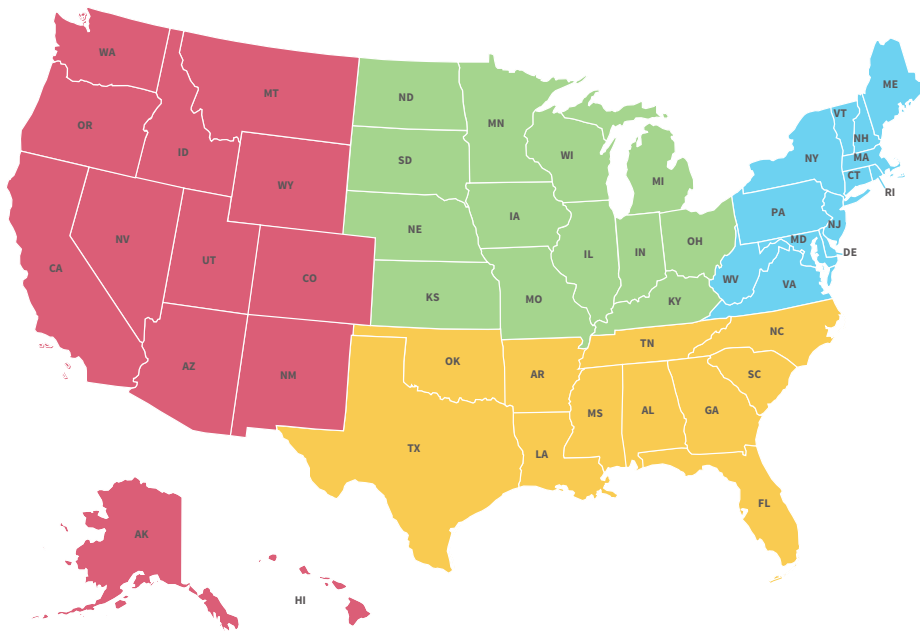
Fax 732-751-9241

To request an RMA, please visit:

www.sdifire.com/support

SDi SALES

To request a quote for any of our products, a quote request can easily be submitted on our website. If any further assistance is needed, please refer to the map below to contact your regional sales manager.



- Western Region**
Ivy Moon
ivy.moon@sdifire.com
Cell: 310-344-6608
- Midwest Region**
Andrea Barghini
andrea.barghini@sdifire.com
Cell: 312-402-4550
- Southern Region**
Lynde Bailey
lynde.bailey@sdifire.com
Cell: 813-508-5111
- Northeast Region**
Pat Ryan
pat.ryan@sdifire.com
Cell: 732-299-2402

SDi, LLC.
www.sdifire.com
3535 Route 66, Building 6
Neptune, N 07753
Phone 732-751-9266
Fax 732-751-9241



A **single** testing system.
A **complete** range of testing tools.



Specialized Fire Products

www.solo-tester.com

Testing equipment must be proven to be safe for the engineer and the system, it needs to be cost-effective, versatile, portable, cause minimum site disruption, be approved by all detector manufacturers, be fully endorsed by the fire industry and in full compliance with today's stringent testing standards.

The Solo range meets all of these requirements.

DETECTOR TESTERS



Solo 330 Aerosol Dispenser

Codes and standards require functional tests to introduce (simulated) smoke through the detector vents and into the sensing chamber. Magnetic testing is not acceptable. The use of a smoke dispenser for the release of smoke test aerosol for efficient activation of detectors is highly recommended.

- Rugged – to withstand the rigors of everyday use
- Dispenser – conserves aerosol and accurate dispersion of aerosol particles
- Spring-loaded mechanism – for effective, economic aerosol delivery
- Touch sensitive – ideal for suspended ceilings
- Clear cup – allows view of detector LED
- Strength and durability of modern plastics technology – for long life and minimal weight

The Solo 332 is available for detectors with larger bases.



For use with
Solo A4



Solo 332 Aerosol Dispenser
for larger diameter detectors.



Solo 461 Heat Detector Tester

Each Solo 461 comes complete with 2 battery batons that fit inside the Solo poles and a charger which may be used in either an outlet or in-car. Using CAT – Cross Air Technology – air is heated and blown across the cup, which means the heat source is directed at the sensor, not the plastic components or casing. For battery conservation, the tool does not begin to operate until the detector breaks the infra-red beam in the cup.

- Safe, with no cables to trip over
- Battery operated tool
- Heat is directed horizontally at the sensor
- Rapid activation of detectors
- No flame
- Supplied with 2 Battery BatonsTM and a fast charger

Solo 760
Battery Baton



Solo 726
Fast Charger

AEROSOLS



Solo A4 Smoke Detector Tester

Selection of the correct smoke test aerosol is important and needs to consider the following features:

- Oil-free formulation
- No lasting residue
- Faster testing / clearing times
- Detector component compatibility
- Non-flammable
- Manufacturer endorsed
- UL & ULC Listed



Solo C6 Carbon Monoxide Detector Tester

Solo C6 provides a fast and simple way of meeting the requirements of the new legislation by introducing real CO to the sensing cell of the detector. As the world's first UL Classified CO detector tester, Solo C6 is the professionals' choice for ultimate peace of mind in ensuring the detector is functioning correctly and protecting the lives of those around it. Also for dispenser use to test multi-criteria/CO Fire detectors and alarms.

- Genuine and non-flammable CO gas
- Fast test and re-set time
- Controllable
- Safe
- Only gas approved for System Sensor I214T CO Detectors & UTC CO Alarms
- Detector manufacturer endorsed
- UL Classified



Solo A7 Detector Duster

Solo Detector Duster is ideal for the cleaning of detectors from the dust and dirt that can collect on detector surfaces. Debris is one of the causes of detector drift in sensitivity and can possibly lead to detector false alarms, or in worse cases, a failure to alarm in case of fire. To clean the detector, simply remove the detector head at any height up to 30ft with the Solo 200 Removal Tool and blow the debris using Solo Detector Duster.

- 100% non-flammable
- Moisture free
- Non-abrasive

TELESCOPIC ACCESS POLES



Solo 100/101/108 Telescopic Access Poles

The core element of the Solo range is the telescopic pole, which is extremely lightweight, quick and easy to extend to any height.

Poles are subjected to rigorous conductivity testing to ensure the integrity of the insulating materials. Equipment in contact with live electrical components make it vital for the insulating materials to be of the highest quality.

The Solo 100/101/108 will stand up to the rigors of everyday field-testing and isolate the user from danger. The durable telescopic and extension poles combine to reach heights up to 30+ft with all tools conveniently interchangeable within the range.

DETECTOR REMOVAL AND REPLACEMENT



Solo 200 Detector Removal Tool

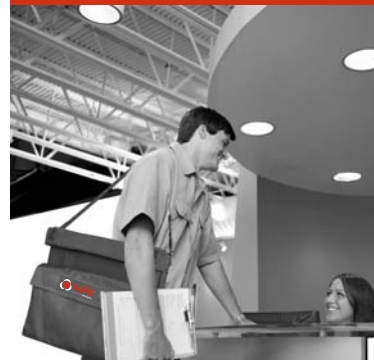
Compatible with most detectors, the Solo 200 Detector Removal Tool features color-coded heads which rotate to provide a combination of settings and lock into place to fit different sized detectors.

TESTING KITS



Solo 808/809/810/850/851/823/ST1/ST2

The range of Solo testing tools are available in economical and convenient kit formats. The contents of each are determined according to your testing needs.



ORDERING INFORMATION

- Solo 100** Telescopic Pole from 4.8ft to 14.9ft in 4 sections allowing access to 20+ft.
- Solo 101** Extension Pole 3.9ft.
- Solo 108** Telescopic Pole from 4ft to 7.2ft in 2 sections allowing access to 11.5+ft.
- Solo 200** Removal Tool from 2.5 inch to 4.5 inch in diameter
- Solo 330** Smoke Dispenser up to 4 inch diameter
- Solo 332** Smoke Dispenser up to 7.125 inch diameter
- Solo A4** Detector Tester Smoke Test Aerosol
- Solo C3** Detector Tester CO Test Aerosol
- Solo A7** Detector Duster Aerosol for cleaning of fire detectors
- Solo 461** Heat Tester Kit 1 x Solo 460 Cordless Heat Tester 2 x 760 Battery Batons™ 1 x Solo 726 Universal Battery Charger
- Solo 808** A Starter Kit for smoke detector testing at reduced ceiling height, including 12 x Smoke Centurion™ Aerosols
- Solo 809** A Starter Kit for smoke detector testing at extended ceiling height, including 12 x Smoke Centurion™ Aerosols
- Solo 810** A Starter Kit for smoke detector testing at normal ceiling height, including 12 x Smoke Centurion™ Aerosols
- Solo 818** A Starter Kit for heat detector testing at reduced ceiling height
- Solo 819** A Starter Kit for heat detector at extended ceiling height
- Solo 820** A Starter Kit for heat detector at normal ceiling height
- Solo 850** Detector Service Kit for testing/removing smoke detectors up to 20+ft.
- Solo 851** Technician Kit for testing/removing smoke & heat detectors up to 22+ft.
- Solo 823** Enhanced Technician Kit for testing/removing smoke & heat detectors up to 30+ft.
- Solo ST1** Solo and Trutest Kit for testing/removing smoke & heat detectors up to 30+ft. including: 1 x Trutest™ sensitivity testing kit including: 1 x Solo 823 Solo Enhanced Technician Kit, 1 x Trutest 801 Smoke Detector Sensitivity Tester, 12 x Smoke 400 Aerosol, 12 x Smoke Centurion™ Aerosols, 1 x Cell 03 Cellchecker™
- Solo St2** Enhanced Solo and Trutest Kit for testing/removing smoke & heat detectors up to 30+ft. including: 1 x ST1 Solo and Trutest Kit, 1 x Ductchecker, 1 x dBChecker, 12 x Smoke Centurion™ Aerosols

RECOMMENDED EQUIPMENT

Product No.	Smoke Testing	Heat Testing	Access Poles	Removal Tool	Carrying Bag	Access Height
Solo 808	Solo 330		Solo 108		Solo 604	12+ft.
Solo 809	Solo 330		Solo 100		Solo 604	20+ft.
Solo 810	Solo 330		Solo 101		Solo 604	4+ft.
Solo 818		Solo 461	Solo 108		Solo 604	12+ft.
Solo 819		Solo 461	Solo 100		Solo 604	20+ft.
Solo 820		Solo 461	Solo 101		Solo 604	4+ft.
Solo 850	Solo 330		Solo 100	Solo 200	Solo 610	20+ft.
Solo 851	Solo 330	Solo 461	Solo 100	Solo 200	Solo 610	22+ft.
			1 x Solo 101			
Solo 823	Solo 330	Solo 461	Solo 100	Solo 200	Solo 610	30+ft.
			3 x Solo 101			
Solo ST1	Solo 330	Solo 461	Solo 100	Solo 200	Solo 610	30+ft.
			3 x Solo 101			
Solo ST2	Solo 330	Solo 461	Solo 100	Solo 200	Solo 610	30+ft.
			3 x Solo 101			



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USA

Tel: 732-751-9266
Fax: 732-751-9241
Email: sales@sdfire.com
Web: www.sdfire.com

www.sdfire.com



The new standard
for functional testing of smoke detectors





Benefits

Faster

- Quicker movement around site
- Faster testing of detectors
- Test hard-to-access detectors easily

Simpler

- 15% lighter than Solo 330 – easy movement around site
- Slim-line design – allows easy access to hard-to-access detectors
- Auto LED light – for simple testing in dark environments

Cleaner

- Clearing mode – prevents re-alarms
- On-demand smoke – less wastage and risk of contamination
- Non-pressurized cartridge – no propellant that contributes to global warming

Faster, Simpler, Cleaner functional testing of smoke detectors

As market leaders with 30+ years' experience, we understand the need for reliable test solutions that keep track with technological developments – without compromising on the standards set by existing solutions.

Solo 365 is true to this belief – it's lighter to use, quicker to test, suitable for more applications and almost impossible to over-apply – eliminating the risk of detector contamination.

This new method of smoke generation takes Solo – the industry's most trusted brand – to the next level. Solo 365 offers everything the industry expects from the Solo brand, pairing it with the very latest technology and wrapping it in a new modern slim-line design and incorporates non-hazardous, non-pressurized cartridges.

Engineered to be compatible with the increasing number of sophisticated detectors now available, Solo 365 also overcomes the regulatory issues associated with pressurized aerosol canisters.



More tests

Solo 365 generates smoke on-demand, without the need for pressurised aerosols:

- Faster detector activation
- Eliminates repeat alarms
- Minimal smoke wastage

More detectors

Smoke detector designs are changing which can make them hard to test with traditional test solutions. Solo 365 solves this:

- Compatible with all smoke detectors
- Approved by world-leading detector manufacturers
- Slim-line design allows testing of hard-to-access detectors

More places

Solo 365 is suitable for testing in a wide range of sites due to:

- A flexible, slim design for access to tight spaces
- Improved low temperature performance
- Auto LED for testing in dark areas
- Suitability for ASD system testing

Design features



Every day use

Building on the qualities within the Solo brand Solo 365 is designed and built to withstand the demands of regular use – offering unrivalled benefits to users every day.

- Engineered for frequent, every day use
- Compatible with Solo access poles
- User replaceable consumables (no service requirement)
- Easier handling – 15% lighter than aerosol can and dispenser

Smoke

- Eliminates risk of contamination
- Easy handling, storage & transportation
- Complies with latest regulations
- Controlled delivery via cartridges

Key features

- 'Auto-start' - proximity sensor automatically initiates test
- 'Delayed start' mode - for non-standard detectors and ASD testing
- Flexible head - easy testing of hard-to-access detectors
- LED Auto-light - for testing in dark areas
- Clearing mode – for eliminating re-alarms

Technical information

Operating features	<ul style="list-style-type: none"> - Color coded LED user information. - Proximity sensor starts test. - Suitable for detectors up to 110mm diameter. - 5 seconds of stimulus, 5 seconds off repeat cycles.
Safety features	<ul style="list-style-type: none"> - Battery over current cut out. - Over temperature cut out. - 2 minutes maximum duration time-out. - Auto power off after 10 minutes.
Power source	Lithium Ion battery pack nominal 3.63V 9.5Wh, with USB charger connection
Battery charging time	~2 hours
Operating temperature range	+5°C to 45°C (+41°F to 113°F)
Operating humidity range	0 to 85% RH non-condensing
Storage temperature range	-10°C to 50°C (+14°F to 122°F)
Storage humidity range	0 to 90% RH non-condensing (up to +35°C/95°F)
Weight (Including battery, generator & cartridge)	2lbs
Dimensions H (including handle) x W (widest) x D	16.5" x 7.5" x 4.5"
Dimensions H (excluding handle) x W (widest) x D	11.5" x 7.5" x 4.5"
Dimensions as above with cup in user position	10.25" x 7.5" x 6"
Clear cup dimensions	6" x 3.5"
Outer carton dimensions H x W x D	5" x 20.5" x 9"

Ordering information

Please contact us for details of the Solo 365 test kits available and information on spare parts.

Solo 365 smoke detector tester <i>Includes: 1 x Solo ES Smoke Cartridge, 1 x Solo 370 Lithium Ion Battery Pack, 1 x Solo 371 Smoke Generator</i>	SOLO365-001
Smoke Cartridge x 6	ES6-6PACK-001
Lithium Ion Battery Pack	SOLO370-001
Smoke Generator	SOLO371-001



SDi Fire
1345 Campus Parkway
Wall, NJ 07753

(732)-751-9266
sales@sdifire.com

www.sdifire.com



HOW DOES IT WORK?

smokesabre is a major step forward in the design of smoke detector testers. All other pressurized aerosol smoke alarm testers have the inherent drawback that, if misused, they have harmful residue on the casing and/or inside the chamber of the detector. This residue can discolor the detector plastic, can attract dust, affect sensitivity and, in some cases, leads to corrosion, cracking or even complete failure of the detector. Residue occurs when testing aerosols are used too close to the detector, or smoke alarm, despite instructions not to do so.

- **More tests per can**
- **Faster detector activation and clearing**
- **Lowest cost per test**
- **The end of harmful residue- risk is designed out with the sabre**
- **Silicone free testing**
- **Eco-responsibility- 100% bio-degradable sabre, ozone friendly, no CFCs and low GWP propellant**
- **Detector manufacturer endorsement**
- **UL and ULC Listing**
- **2.6oz can**

smokesabre[®] is the solution to problems previously associated with aerosol smoke detector testers.



SIGNALING





smokesabre®

SMOKE DETECTOR TESTER



HOW DOES IT WORK?

smokesabre cannot be used too close to the detector and eliminates harmful residue while focusing and targeting the canned smoke test gas.

When **smokesabre** is in the closed position the sabre prevents access to the spray button. The aerosol can only be activated when the sabre is fully extended. In use, air is drawn through the holes in the sabre and this, coupled with the venturi effect involved, assists the velocity and vaporization process of the airborne 'smoke' particles. The result is a more effective test, delivering better detector activation, using less gas per test, and reducing costs while eliminating harmful residue.

Other products may be recommended as best used with accessory devices to prevent spraying too close. With **smokesabre** there is no choice. The sabre is part of the product and cannot be used without it!

smokesabre is a universal test product covering the sensitivity range of all smoke detectors (see particle size comparison chart)

The extending sabre is made of 100% bio-degradable plastic making smokesabre the only smoke detector test aerosol to be both recyclable and Eco-friendly.

smokesabre is UL and ULC listed, meets global testing standards, and is approved by major smoke detector manufacturers.

For further information visit www.smokesabre.com

CONFORMS TO THE FOLLOWING CODES

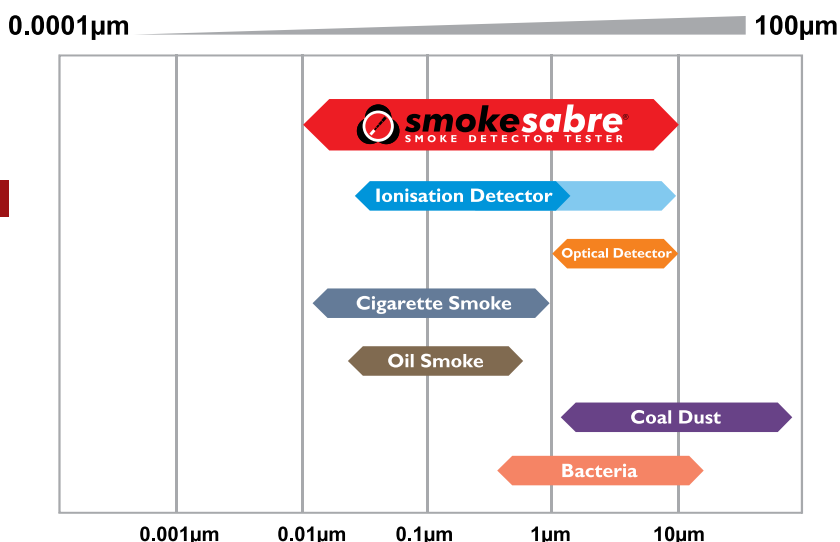
"...the detectors shall be tested in place to ensure smoke entry into the sensing chamber and alarm response"
NFPA 72 Chapter 14 (14.4.2.2 (g))

"Each detector shall be tested for operation by introducing smoke or simulated smoke into the detecting chamber."

"Le fonctionnement de chaque détecteur de fumée doit être vérifié par l'introduction de fumée ou de fumée simulée dans la chambre de détection, conformément aux instructions du fabricant."

CAN/ULC-S536-04, 5.7.4.1.2

Particle Size Comparison



ALSO AVAILABLE FROM SDi

- **Professional Smoke Detector Testers**
with approved and listed dispensers
- **Genuine Professional Heat Detector Testers**
suitable for fixed temperature, rate of rise and combined detectors
- **CO Detector Testers**
with approved and listed dispenser
- **Aerosol Dispensing Tools**
as recommended by detector manufacturers
- **Detector Removal Tools**
suitable for all leading makes and model of detector
- **Access Poles**
to enable detector maintenance up to 30+ ft.
- **Complete Maintenance and Service**
providing complete solutions in economical and convenient kit formats
- **Smoke Detector Sensitivity Instruments**
to identify sensitivity drift and help ensure that smoke detector sensitivity is maintained within defined calibration parameters



trutestTM

DETECTOR SENSITIVITY TESTER



GENUINE 'ONE TEST' MEASUREMENT

Some standards permit sensitivity test frequencies to be extended after proven detector stability. This relies on tracking drift, which can be done by only measuring actual sensitivity readings. Trutest does not need two tests to check the upper and lower limits (which, in itself, does not establish actual sensitivity). Just one test provides an actual reading in %/ft which can be compared year on year to establish drift. Other features include:

- Auto self calibration before each test
 - Telescopic adjustment to over 20ft/6m
 - Battery charge for a complete day's testing
 - All hardware supplied in kit price quoted
-
- **Reduces false alarms- a huge problem in the industry**
 - **Verifies the protection you need from your detector**
 - **Battery operated and lightweight**
 - **Simple to use**
 - **Suits most detectors**
 - **Calibrated in %/ft**
 - **Tests installed detectors**
 - **Self calibrates before testing**
 - **Measures actual sensitivity**



trutestTM

is ideal for testing all batteries used in emergency, fire alarm, security systems, and electrical appliances.





trutestTM

DETECTOR SENSITIVITY TESTER



SIMPLE TO USE

1. Assemble with ease
2. Offer up to detector
3. Select detector type and profile
4. Start test
5. Smoke level automatically increases until detector goes into alarm
6. Stop test and take reading

SPECIFICATIONS

Specified at 68°F +/- 5°F < 60% RH using slow ramp

All detector types and profiles: ($\pm 10\%$ of reading + 0.6 %/ft)

Size of detectors: All diameters from 2.8in/71mm to 5.7in/145mm

Maximum working height: 20ft 8in (6.3m)

Average test time: 120 seconds (1%/ft/minute fast ramp, 0.5%/ft/minute slow ramp)

Average calibration time:* 40 seconds

Average clearing time:* 120 seconds

Average tests per aerosol canister: 100 tests

Maximum obscuration for ionization: 4.00 %/ft

Maximum obscuration for photoelectric: 6.00 %/ft

Resolution: 0.01%/ft

Average battery life: 8-10 hours testing on a full charge

Type of aerosol: Environmentally friendly, non-flammable, non toxic. Safety data sheet available upon request

Calibration in operation: Self-calibrates before each test

Servicing intervals: 1 year recommended, but max interval 5000 tests

Operating temperature: 50°F to 95°F (+10°C to 35°C)

Storage temperature: 15°F to 120°F (-10°C to 50°C) (Do not store in direct sunlight)

Humidity: 0-85% RH non-condensing

Weight of main unit: 6lb 9oz (3kg) (incl. aerosol canister)

**can be conducted whilst walking between detectors*

ORDERING INFORMATION

Trutest 800: Complete kit with telescopic pole

Trutest 801: Kit for users who already own Solo 100 telescopic pole

Trutest 400: Smoke Aerosol for Trutest- minimum order 12 canisters

Please specify country of use when ordering.



BOTH CONVENTIONAL AND INTELLIGENT SYSTEMS

Conventional Detectors

These detectors have no means of measuring their own sensitivity. Their sensitivity drifts, and so it should be tracked over a period of time, using Trutest.

Analog/Intelligent Detectors

Interrogating the fire system panel of an intelligent system enables, at best, a check of the value of 'clean air' response levels. It does not verify the condition of the vents or ability of the detector to receive smoke into its sensing chamber. Correlating an unmeasured smoke source (e.g. hand-held can of smoke) with a panel interrogation also does not produce a quantified test, as US NFPA 72 confirms:

"...the detector sensitivity shall not be measured using any device that administers an unmeasured concentration of smoke or other aerosol into the detector" NFPA 72 2007 (10.4.4.2.6)

By introducing a measured and controlled smoke stimulus into the sensing chamber, Trutest enables cross-references to be made between the independent Trutest readings and the analog readings from the system panel. Only in this way can a true test of intelligent systems be achieved.

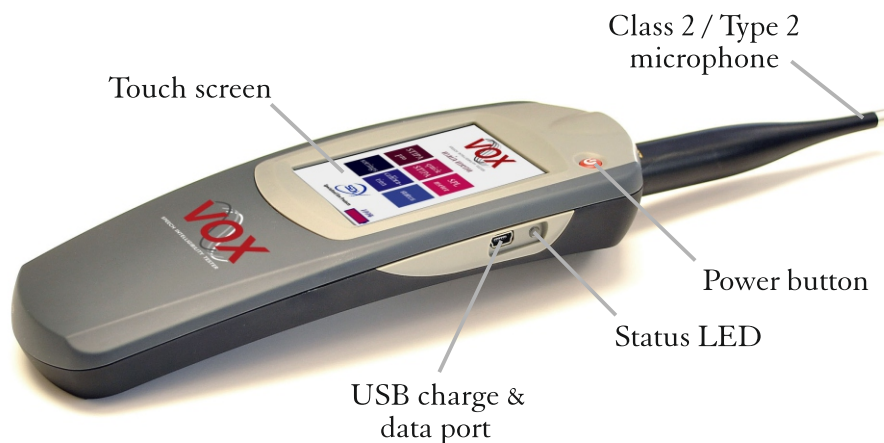
trutest Control Panel



ALSO AVAILABLE FROM SDI

- **Professional Smoke Detector Testers**
with approved and listed dispensers
- **Genuine Professional Heat Detector Testers**
suitable for fixed temperature, rate of rise and combined detectors
- **CO Detector Testers**
with approved and listed dispenser
- **Aerosol Dispensing Tools**
as recommended by detector manufacturers
- **Detector Removal Tools**
suitable for all leading makes and model of detector
- **Access Poles**
to enable detector maintenance up to 30+ ft.
- **Complete Maintenance and Service Kits**
providing complete solutions in economical and convenient kit formats
- **Smoke Detector Sensitivity Instruments**
to identify sensitivity drift and help ensure that smoke detector sensitivity is maintained within defined calibration parameters

- *Easy to use*
- *Unit conforms to the IEC651 type 2, ANSI S1.4 Type 2 (Required by NFPA 72 Chapter 14, 14.4.2.2.(15))*
- *Complies with NFPA 72 - 2013, ANNEX D**



*IEC-60268-16 rev. 4
IEC 61672 Class 2
ANSI S1.4 Type 2

Finally... A universal, easy to use Intelligibility Tester, designed by the inventors of STIPA. Rigorously tested to international standards, VOX is the most affordable yet advanced product of its kind on the market.

INSTRUCTIONS

1. Connect measurement microphone to the instrument.
2. Press Red power button to boot.
3. From Main Menu, launch the app for the specific measuring mode that you need.

That's it!

SPECIFICATIONS

Functionality Speech Transmission Index (STIPA)
Octave band Real-Time Analyzer (in STIPA pro mode)
Sound Pressure Level meter (A, Z, slow, fast, Leq)
Standards compliance IEC 60268-16 rev. 4, IEC 61672 (class 2), ANSI S1.4 (type 2)
Acoustic Effective noise floor: < 26 dB(A)
Linear range, electric input: 22 - 125 dB
Microphone Omnidirectional free-field microphone
Flat frequency transfer (conforms with class 2 / type 2 requirements)
48V phantom powered
30 mV/Pa sensitivity
Display Resistive LCD touch screen
320x240 pixels, 65k colors
Luminance typ. 250 Cd/m²
Durability: 100k finger slides, 1M taps
Data storage 4 GB internal storage for data and program code
Accessible from PC through USB (mass storage mode)
Environmental Temperature: 5 -35C (41-95F)
Relative humidity: 5% - 90% (non-condensing)
Power NiMH battery pack 4.8V nominal, typ. 2200 mAh
Typical battery lifetime >4h
Max. charge current 1.8A
Electromagnetic compatibility
Complies with EN 61326-1:2006 - EN 61326-1:2006
Complies with IEC 60268-16 rev. 4, IEC 61672 Class 2, ANSI S1.4 Type 2
FCC part 15 compliant (class A device)
Mechanical specs Size approx. 210 x 85 x 55 mm (excl. microphone)
Weight 530 g (including microphone)
Rear-mounted tripod adapter
Hook for carrying cord
Bundled items Carrying case, measuring instrument, class 2 microphone, USB charger, int. charger adapters (US, EU, UK, AU), USB charging/data cable, manual, carrying cord, USB flash drive with test signals

WHY VOX?

Vox, with its full-color touch screen, is easy to use and understand even to first-time users of the Speech Transmission Index. The casual STI user will not have to deal with impossible key combinations, incredibly complex calibration procedures and other discomforts that people have come to expect from STI measuring tools. Vox. Easy to use, intuitive and almost plug-and-play!

- Fully compliant STIPA meter (IEC-60268-16 4th ed.)
- Fully compliant class 2 / type 2 SLM
- Intuitive full-color touch screen interface
- Includes microphone, charger, windscreen and all other accessories you might need
- Comes with 24-month worldwide pick-up&return warranty
- More features to come through free firmware upgrades

HIGHEST STANDARDS

D.2.1.1.1” Where the method for measuring speech intelligibility is the Speech Transmission Index (STI), this test protocol should be followed”

NFPA 72-2013: Annex D, D.2.1.1.1

5.10 Signal Devices

5.10.1 Each audible signal device and visible signal device shall be inspected and tested to confirm operability, including the following functions, as applicable:

B. The Intelligibility of voice messages shall function as intended throughout the area served by the device

CAN/ULC-S537-04: 5.10

ALSO AVAILABLE FROM SDi

- **Professional Smoke Detector Testers**
with approved and listed dispensers
- **Genuine Professional Heat Detector Testers**
suitable for fixed temperature, rate of rise and combined detectors
- **CO Detector Testers**
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providing complete solutions in economical and convenient kit formats
- **Smoke Detector Sensitivity Instruments**
to identify sensitivity drift and help ensure that smoke detector sensitivity is maintained within defined calibration parameters



Specialized Fire Products

SDi,
3535 Route 66, Building 6, Neptune, NJ 07753
Tel: 732-751-9266 Fax: 732-751-9241
Email: sales@sdfire.com Web:
www.sdfire.com



SPEECH INTELLIGIBILITY TESTER

THE VOXBOX

The VOXBOX can be used as an electronic signal source by utilizing the line-out connection. Or it can be used as a calibrated acoustic signal source, due to its integrated loudspeaker. The VOXBOX is designed to accurately play the STIPA test signal, as well as several other test signals. The device features an interactive LCD touchscreen which allows you to easily control all features and monitor its settings at a glance.

- Plays STIPA test signals according to IEC-60268-16 rev. 4 (2011) and draft rev. 5 (2016)
- Play noise (pink, white) and sine waves (125 - 8000 Hz)
- Also plays back calibrated speech signals, to announce the beginning and end of tests and to obtain a subjective impression of speech intelligibility while testing (male and female speech, US, UK, SP, FR, GE, NL).
- Signals are played back with automatically calibrated spectrum and level (no user calibration needed - optional adjustment of nominal level).
- Can also be used as an electronic signal source through the featured line-out jack.
- Has a 3.5mm jack line-in to use the VOXBOX as a powered loudspeaker with computers and smart phones.



TECHNICAL SPECIFICATIONS

- **Loudspeaker frequency range 20 - 15,000 Hz**
- **Plays back signal at a standardized (calibrated) signal levels of 54-72 dB(A) @ 1m**
- **Signal level can be increased/decreased relative to nominal level to test dynamics**
- **Powered through external power supply (included)**

VOXBOX

Every STIPA measurement, whether it is with our STIPA meter or any other device, needs a source for the STIPA test signal. The VOXBOX is the most reliable and accurate source on the market.



testifire®

MULTI-STIMULUS DETECTOR TESTER



DESCRIPTION

Testifire is the world's first 3-in-1 detector tester with optional communications module and audit trail facility. Its design enables fast and efficient testing of Smoke, Heat or CO fire detectors and, with the ability to test with these stimuli sequentially or simultaneously, it is also the perfect tool for testing multi-sensor detectors.

Smoke, Heat and CO stimuli are all created in the single unit that is Testifire. There are no pressurized canisters of gas and stimuli are generated as required using processes fueled by replaceable capsules.

Testifire is the result of several years of technological development and since launch, has continued to develop in response both to market feedback and new materials and technologies. By far the most advanced tester available, Testifire is UL certified and approved by leading detector manufacturers from around the world.

INTERNATIONAL STANDARDS

Testing with Testifire aids compliance with codes and standards globally.

"The detectors shall be tested in place to ensure smoke entry into the sensing chamber and alarm response" *NFPA 72 2002 Table 7-2.2 (Test Methods) 13.g.1*

"Each smoke detector shall be tested for operation by introducing smoke or simulated smoke to the detecting chamber in accordance with the manufacturer's instructions" *CAN/ULC S536 5.7.4.1.2*

testifire®
is the most advanced simultaneous or sequential smoke, heat and CO tester available on the market today.



Bellows

Duct for Heat, Smoke & CO





testifire®

MULTI-STIMULUS DETECTOR TESTER



USER INTERFACE

Test modes and cycles are selected and programmed via the user interface. Multiple languages are available in the set-up procedure.

Test cycle feedback is provided by two LEDs which flash according to the type of test selected and progress of the test.

TEST MODES

- **Smoke:** generated internally from a fluid supplied by a replaceable capsule and then blown into the detector. Suitable for a wide variety of detection technologies
- **Heat (1):** for rate-of-rise and fixed temperature heat sensors up to 194°F (90°C)
- **Carbon Monoxide (CO):** generated internally from heated carbon material supplied by a replaceable capsule and then blown into the detector
- **Hi Heat (2):** heat at a higher temperature for heat sensors up to 212°F (100°C)

TEST CYCLES

- **Single Testing:** a single stimuli test can be carried out using Smoke, Heat or CO
- **Simultaneous Testing:** Smoke, Heat and CO generated at the same time, in one test, in any combination programmed by the user
- **Sequential Testing:** Smoke, Heat and CO can be carried out in any order programmed by the user
- **Clearing:** clean air is blown to remove stimuli away from the detector enabling rapid detector reset times

APPLICATIONS

- Point detectors (single and multi-sensor)
- Aspiring detectors (single and multi-criteria)
- Traditional smoke sensors based on optical and ionization technologies
- Advanced smoke sensors based on dual scatter angles and dual wavelength technologies
- CO fire sensors
- Heat sensors utilizing: thermistor, bi-metallic, diaphragm technologies
- Virtual chamber detectors
- Fire detectors using complex interdependent sensor algorithms

IMAGE

- Enhanced professional image of service organization through the use of top-line technology

ENVIRONMENT

- The smoke and CO capsules put an end to global warming (GWP) and volatile organic compound (VOC) issues while still retaining safe, non-flammable test stimuli

PERFORMANCE

- Overall significant time savings and productivity enhancements through:
 - deployment of latest-technology stimuli generation and delivery
 - replacement of multiple tools with a single tester
 - dramatic reduction in detector and system reset times through use of clearing mode
- Substantial reduction in test times through combined stimuli deployment on multi-sensor detectors
- Unique ability to activate detectors using complex interdependent sensor algorithms
- Faster testing of detectors up to 212°F through use of hi-heat mode
- Elimination of detector contamination and damage risk through controlled stimuli release
- Greater immunity from variation in ambient conditions controlled through new stimuli generation technologies
- Wider range of detectors accommodated with wider cup and remote control option
- Up to 66%* reduction in multi-sensor test times through use of simultaneous stimuli

*If the detector and panel can enable and verify individual sensor activation

COMPLIANCE

- Cost effective compliance with global test standards for field functional detector tests
- Audit trail option through Communications Module
- Optional annual calibration, traceable to national standards
- Pressurized aerosol hazards eliminated through use of capsules for smoke and CO generation

HEALTH & SAFETY

- Through replacement of aerosol canisters with capsules:
 - retention of non-flammable stimuli
 - elimination of potential hazards and dangers that aerosol canisters present
 - dramatic reduction in transport and storage costs
- Test stimuli that is non-toxic and non-hazardous to the user
- Maximum safety for CO testing through on-demand controlled, low ppm, CO generation

APPROVALS & CERTIFICATIONS

- UL certified
- Tested, approved and recommended for use by world-leading detector manufacturers
- CE, RoHS and WEEE compliant
- Produced by the world's only ISO 9001 listed specialist fire detector tester manufacturer





smokecenturion™ smoke

* SILICONE FREE TESTING

smokecenturion™ is an aerosol tester for checking the functionality of smoke detectors. Designed to test the widest possible range of smoke detectors, **smokecenturion™** offers efficient testing in a simple-to-use format either hand-held or with use of a dispenser.



- More tests per can
- Fast detector activation
- Lowest cost per test
- Either hand-held or with use of a dispenser
- Silicone-free testing, reduces risk of detector contamination
- High eco responsibility: ozone friendly (no CFCs) and low GWP propellant
- Formula approved by leading detector manufacturers
- UL / ULC Listed



www.sdifire.com

SIGNALING



Fire Alarm Equipment
77TL
Aerosol Smoke
Detector Tester



Automatic
Fire Detector
Accessory
77TL

smokecenturion™ conforms to the following codes:

"...the detectors shall be tested in place to ensure smoke entry into the sensing chamber and an alarm response"

NFPA 72 Chapter 14 (14.4.2.2 (g))

"Each detector shall be tested for operation by introducing smoke or simulated smoke into the detecting chamber."

"le fonctionnement de chaque détecteur de fumée doit être vérifié par l'introduction de fumée ou de fumée simulée dans la chambre de détection, conformément aux instructions du fabricant."

CAN/ULC-S536-04, 5.7.4.1.2



smokecenturion™
www.smokecenturion.com

PORTALEVEL

Ultrasonic Liquid Level Indicator



- Accurate to 1.5mm off true liquid level
- Quickest possible testing of fire suppression cylinders
- Complies with NFPA 12A, 17A, 25, and 2001



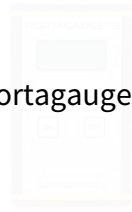
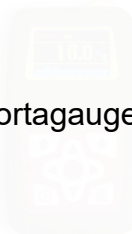
SDi is proud to introduce Portalevel, the world's fastest and most accurate ultrasonic liquid level meter. Available in a variety of models to suit any need, Portalevel utilizes state-of-the-art ultrasound technology to determine a precise liquid level of a fire suppression cylinder in minimal time.

PORTAGAUGE



The Portagaugage range of products utilizes state of the art echo technology to measure metal thickness, ideal for testing corroded surfaces. Both the Portagaugage 3 and Portagaugage 4 are highly accurate and versatile tools that comply with NFPA standards. A variety of sensor options are available as well, allowing Portagaugage to adapt to many different applications.



	Accuracy	Echo Type	Ignores Paint Layer	Simple to Use	Ability to Test Plastics
 Portagaugage 3	±0.5%	Single Echo	x	✓	✓
 Portagaugage 4	±0.1mm	Triple Echo	✓	x	x

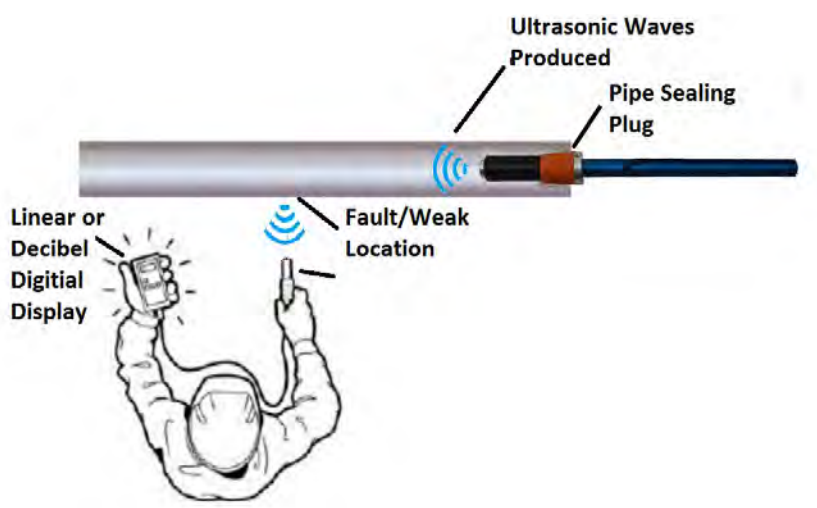
PORTAPIPE



Portapipe utilizes ultrasonic technology to non-destructively test for leaks and thinning in pipework. Its simple and intuitive operation makes it an ideal method for testing the integrity of piping.

HOW IT WORKS

The generator is attached to the detection wand, which is then placed into a drained pipe and sealed by its sealing plug. The operator then moves the receiver rod down the pipe. A spike in readings indicates a leak or weakened area in the pipe.





- Ideal for maintenance of fire alarm systems
- Easy to use. Telescopic bendable probe
- Portable, lightweight, battery operated device
- Meets:
NFPA 72 Chapter 14 (14.4.2.2 14 g 1/6/5)
CAN/ULC S536-04, 5.7.4.4.1
- Accepted test device for annual testing
- Includes hard case

avchecker™ is the ideal device for annual testing to ensure that the duct detector will sample the air velocity as required by NFPA 72, and according to manufacturer's instructions.

HIGHEST STANDARDS

NFPA 72 Chapter 14 (14.4.2.2 14 (g) 6)
"duct smoke detectors utilizing sampling tubes shall be tested by verifying the correct pressure differential (within the manufacturers published ranges) between the inlet and exhaust tubes using a method acceptable to the manufacturer to ensure that the device will properly sample the airstream"

NFPA 72 Chapter 14 (14.4.2.2 14 (g) 1)
"duct detectors shall be tested initially and semi-annually..."

NFPA 72 Chapter 14 (14.4.4.2 14 (g) 5)
"detector response shall be verified through the end sampling port on each pipe run; airflow through all other ports shall be verified as well"

"Each air duct type smoke detector shall be inspected and tested to confirm operability"
CAN/ULC - S536-04, 5.7.4.4.1

"The positive airflow and/or sampling tube differential pressure in air duct type smoke detectors shall be tested to confirm that it is within manufacturer's specified limits"
CAN/ULC - S536-04, 5.7.4.4.2

Chaque détecteur de fumée installé dans un conduit doit être inspecté et mis à l'essai afin de confirmer qu'il est en état de fonctionner
CAN/ULC S536-04, 5.7.4.4.1

La circulation d'air directe et la pression différentielle à l'intérieur du tube d'analyse des détecteurs de fumée installés dans des conduits d'air doivent être mesurées afin de confirmer que leur valeur est à l'intérieur des limites prescrites par le fabricant.
CAN/ULC 5.7.4.4.2

ALSO AVAILABLE FROM SDI

- Professional Smoke Detector Testers
with approved and listed dispensers
- Genuine Professional Heat Detector Testers
suitable for fixed temperature, rate of rise and combined detectors
- CO Detector Testers
with approved and listed dispenser
- Aerosol Dispensing Tools
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- Detector Removal Tools
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- Access Poles
to enable detector maintenance up to 30+ ft.
- Complete Maintenance and Service
providing complete solutions in economical and convenient kit formats
- Smoke Detector Sensitivity Instruments
to identify sensitivity drift and help ensure that smoke detector sensitivity is maintained within defined calibration parameters



cellchecker™

Lead Acid Pulse Load Battery Tester



- Computes State of Charge for lead acid battery types (SLA, AGM, Gel, Flooded)
- Tests battery condition - quickly and easily identifies weak or failing batteries
- Simple to operate, genuine Pulse Load testing with test results in 15 seconds
- Tests 2-volt, 4-volt, 6-volt, 8-volt or 12-volt batteries up to 200AH
- Measures battery performance under load, not just voltage or internal resistance
- Ideal for battery management and cell matching - reduce costs and increase reliability
- Made and serviced in the U.S.A.

Easy to understand LED display

12 test modes



Rugged rubber sleeve

Internal cooling fan

48" removable test leads

cellchecker is ideal for testing fire and security alarm systems. Using pulse load technology it provides a comprehensive test of a battery's state of charge and condition

SPECIFICATIONS

Testing capability (modes):

2-volt [2-25AH]
4-volt [2-25AH]
6-volt [1-4AH, 5-15AH, 16-50AH, 20-100AH, 50-200AH]
8-volt [2-20AH, 20-100AH]
12-volt [1-4AH, 5-15AH, 16-50AH, 20-100AH, 50-200AH]

Power (internal): 4 x AA batteries (not included)

Auto shut-off: After 20 minutes w/o test activity

Display: 8 LEDs - colors green, yellow, red

Pulse Load: Magnitude varies according to battery type
Test duration: Approx. 15 seconds

Test leads: 48" rubber coated lead wire, solid copper clamps, R/A sheathed banana plugs

Dimensions: 9.25 x 6.25 x 2.00 inches

Weight: approx. 32 oz (908 g)

Accessory Kit:

This accessory kit includes a protective soft case, suspension crown/hanging strap, and strong magnet. The soft case has a secure Velcro® flap and protects against dirt and impact.



The hanging strap has a quick release buckle for easy fastening to conduit, pipes, ladder rung, etc., and the magnet enables attachment to metal surfaces such as battery cabinets.

Lead sets

These flexible 48" lead sets feature high strand count 18AWG rubber coated, kinkless lead wire with R/A sheathed banana plugs.

Two styles of solid copper clamps available:

Clip-type

Clamp: solid copper -
max jaw opening: 0.625"



Plier-type (accessory)

Clamp: solid copper -
max opening: 1.125"



www.sdifire.com

WHY PULSE LOAD BATTERY TESTING?

Battery voltage alone is not a reliable parameter for determining remaining capacity and condition; it also does not indicate whether the battery will be able to deliver power when placed under load. Rather than simply displaying a voltage reading, cellchecker™ determines a battery's remaining power capacity by measuring its ability to maintain voltage levels while under load. The tester then makes an assessment based on these readings and displays the remaining percentage capacity of the battery.

Pulse load testers verify that a battery can deliver power by actually making it deliver power. The duration and repetition of the load test cycle varies depending on the battery type being tested. Factors that are considered when determining the size and duration of the pulse load are battery design (high rate or low rate), battery chemistry, and the battery's typical application. This helps ensure that the power demand on the battery during the pulse load test will be comparable to what the battery experiences under normal operation conditions.

HIGHEST STANDARDS

"...it is imperative to determine whether a battery would be able to sustain the necessary load for the required amount of time without failing. Practically, only load testing can achieve this properly..."

"...battery testers that test a battery under no load do not accurately simulate the battery's performance in operating conditions..."

"...under load, the battery shall perform in accordance with the battery manufacturer's specifications..."

NFPA 72 (2016) Chapter 14 (14.4.3.2, 9 (4))

"Load testing can be by means of an artificial load equal to the full fire alarm load connected to the battery."

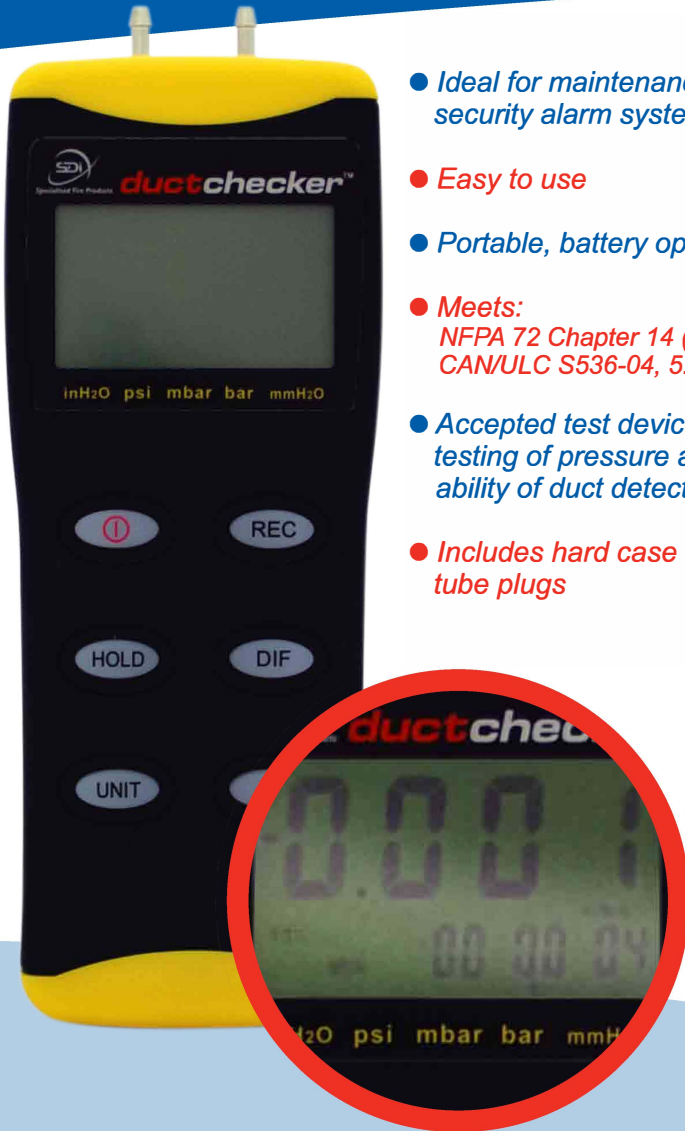
INSTRUCTIONS FOR USE

- Turn on power switch (located to the right hand side of the unit)
- Select the type of battery to be tested by pressing the MODE key until the LED next to the correct battery type is illuminated
- Connect the test leads to the battery terminals ensuring a good connection with the red lead connecting to the positive terminal (+) and the black lead connecting to the negative battery terminal (-)
- Press the TEST key
- LEDs will flash in sequence indicating the test is in progress. When the test is complete one LED will remain lit indicating the battery's state of charge or remaining capacity
- Make two tests at five second intervals to verify that the battery has stabilised and is delivering consistent power
- Turn off power switch after battery is disconnected



SDi,
3535 Route 66, Building 6, Neptune, NJ 07753
Tel: 732-751-9266 Fax: 732-751-9241
Email: sales@sdifire.com Web: www.sdifire.com

Specialized Fire Products



- Ideal for maintenance of fire and security alarm systems
- Easy to use
- Portable, battery operated device
- Meets:
NFFA 72 Chapter 14 (14.4.2.2 14 g 1/6/5)
CAN/ULC S536-04, 5.7.4.4.1
- Accepted test device for annual testing of pressure and air sampling ability of duct detectors
- Includes hard case and sampling tube plugs

ductchecker™ is the ideal device for annual testing to ensure that the duct detector will sample the airstream properly, as required by NFPA 72, and according to manufacturer's instructions.



HIGHEST STANDARDS

NFFA 72 Chapter 14 (14.4.2.2.14 (g) 6)
"duct smoke detectors utilizing sampling tubes shall be tested by verifying the correct pressure differential (within the manufacturers published ranges) between the inlet and exhaust tubes using a method acceptable to the manufacturer to ensure that the device will properly sample the airstream"

NFFA 72 Chapter 14 (14.4.2.2.14 (g) 1)
"duct detectors shall be tested initially and semi-annually..."

NFFA 72 Chapter 14 (14.4.4.2.2 14 (g) 5)
"detector response shall be verified through the end sampling port on each pipe run; airflow through all other ports shall be verified as well"

"Each air duct type smoke detector shall be inspected and tested to confirm operability"
CAN/ULC - S536-04, 5.7.4.4.1

"The positive airflow and/or sampling tube differential pressure in air duct type smoke detectors shall be tested to confirm that it is within manufacturer's specified limits"
CAN/ULC - S536-04, 5.7.4.4.2

Chaque détecteur de fumée installé dans un conduit doit être inspecté et mis à l'essai afin de confirmer qu'il est en état fonctionner
CAN/ULC S536-04, 5.7.4.4.1

La circulation d'air directe et la pression différentielle à l'intérieur du tube d'analyse des détecteurs de fumée installés dans des conduits d'air doivent être mesurées afin de confirmer que leur valeur est à l'intérieur des limites prescrites par le fabricant.
CAN/ULC 5.7.4.4.2

ALSO AVAILABLE FROM SDi

- Professional Smoke Detector Testers
with approved and listed dispensers
- Genuine Professional Heat Detector Testers
suitable for fixed temperature, rate of rise and combined detectors
- CO Detector Testers
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- Aerosol Dispensing Tools
as recommended by detector manufacturers
- Detector Removal Tools
suitable for all leading makes and model of detector
- Access Poles
to enable detector maintenance up to 30+ ft.
- Complete Maintenance and Service
providing complete solutions in economical and convenient kit formats
- Smoke Detector Sensitivity Instruments
to identify sensitivity drift and help ensure that smoke detector sensitivity is maintained within defined calibration parameters





viewchecker™

REMOTE VISUAL INSPECTION TESTER

viewchecker™ is ideal for capturing still images or video clips of hard-to-reach or hard-to-see areas of equipment.



Using a free app from the iTunes® App Store or Google® Play Store, any iPhone®, iPad® or Android™ device can display, capture, store and play back video clips and still images observed with **Viewchecker**. Information is transferred via an ad hoc WiFi hotspot generated by **Viewchecker**.



Shown using devices as the **Viewchecker** monitor (note: the magnification possible on screen).



FEATURES:

- Generates ad hoc* WiFi hotspot for transmitting live inspections to app enabled iPhone, iPad or Android device
- Long 6 ft. (1.83m), thin 0.39 in. (9.8mm) diameter flexible-obedient probe streams VGA (640 x 480 pixel) resolution video
- Ideal camera depth of field of 1/2 in. to 12 in. (12.7 to 305mm)
- App's VIDEO and SNAP SHOT soft buttons capture .mp4 (Apple) or .m4v (Android) video clips and still .jpg images of video stream and save files to Photos folder of iPhone/iPad or Android device. Video clips and photos can be shared by e-mail or Skype®.
- Non-replaceable Li-ion battery charges through included USB cable (compatible with iPhone/iPad/Android Power Adapter and all computers). Full charge is good for 3 hours of operation.
- Thumbwheel on pistol grip controls camera lighting

- Video Out jack and cable
- Includes three useful probe tip accessories (45° mirror, pickup hook, magnetic pickup)
- Great for HVAC Duct inspection
- Assists in difficult visual inspection required by NFPA 72
- 1-year limited warranty

iPhone®, iPad® and iTunes® are trademarks of Apple Inc., registered in the U.S. and other countries. Android™ is a trademark of Google Inc. SKYPE® is a registered trademark of Microsoft Corporation.

*ad hoc WIFI hotspot does not provide Internet access.

SPECIFICATIONS:

Compatible with	iPad, iPad 2, iPad 3, iPhone 3GS, iPhone 4, iPhone 4S, iPhone5, iPod touch (3rd, 4th, 5th generation) running iOS4.1 or later; and any device running Android 2.2 or higher
Security	WiFi (WEP) password
Video Resolution	640 x 480 pixels (VGA)
Frame Rate	30 frames per second (fps)
Streaming Video Format	MPEG4
WiFi Range	60 ft. (18m), max (unobstructed)
Camera Lighting	2 white LEDs
Camera Head Diameter	0.39 in. (9.8mm)
Camera Depth of Field/Field of View	1/2 in. to 12 in. (12.7 to 305mm)/54°
Probe Length	6 ft. (1.83m)
Probe Minimum Bending Radius	1.77 in. (45mm)
Dust & Water Resistance Rating	(Probe & Camera Head only) Ip67
Operating Voltage	3.7V internal from 5V input
Current Consumption	850 mA, max @ 5VDC
Operating Temperature	32° to 104°F (0° to 40°C)
Power Supply	Rechargeable Li-ion battery with 5V/1A output
Life of Full Battery Charge	3 hours, typical

OPTIONAL ACCESSORIES:

- USB Vehicle Power Adapter
- AC Power Adapter

INCLUDES:

WiFi grip, 9.8mm diameter x 6 ft. (1.83m) long probe, charging cable with USB plug (compatible with iPad/iPhone/Android power adapter and all computers), video cable, three probe tip accessories 45 mirror, magnetic pickup hook, pickup hook), custom hard case, user manual.

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to identify sensitivity drift and help ensure that smoke detector sensitivity is maintained within defined calibration parameters

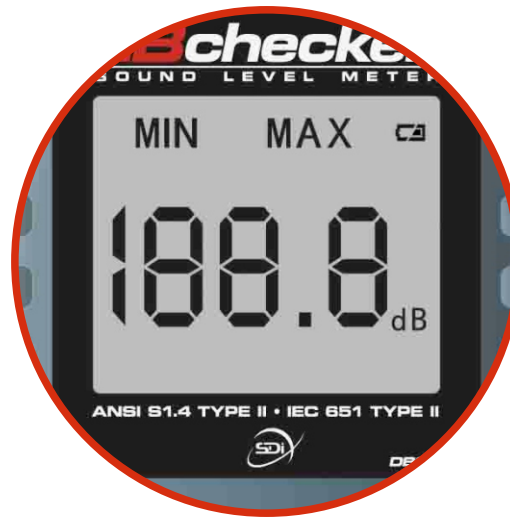


Specialized Fire Products

SDi,
3535 Route 66, Building 6, Neptune, NJ 07753
Tel: 732-751-9266 Fax: 732-751-9241
Email: sales@sdifire.com Web: www.sdifire.com



dbchecker™ is ideal for testing audible appliances for the public operating mode of an emergency voice/alarm system in accordance with manufacturers instructions.



- *Ideal for maintenance of fire and security alarm systems*
- *Easy to use*
- *Unit conforms to the IEC651 type 2, ANSI S1.4 Type 2 (Required by NFPA 72 Chapter 14, 14.4.2.2.(15))*
- *Designed to meet the requirements of Life Safety Engineers*
- *Display with 01.dB steps on a 4-digit LCD*
- *Range from 40 to 130 dB over four ranges*
- *Frequency weighting: A*



INSTRUCTIONS

- (1) Open battery cover and install a 9V battery in the battery compartment.
- (2) Turn power ON and select the desired response time and weighting. If the sound source consists of short bursts or only catching sound peak, set response to FAST. To measure average sound level, use the SLOW setting.
- (3) Hold the instrument comfortably in hand and point the microphone at the suspected noise source, the sound pressure level will be displayed.
- (4) When MAX/MIN (maximum, minimum hold) mode is chosen. The instrument captures and holds the maximum noise level for a long period using any of the time weightings and ranges.

Press the MAX/MIN button 2 seconds to clear the MAX/MIN reading. "MAX/MIN" symbol disappears.

- (5) Turn OFF the instrument.

SPECIFICATIONS

Standard Applied: IEC651 Type2, ANSI S1.4 Type2.

Frequency Range: 100Hz to 8.3KHz

Frequency Weighting: A

Microphone: ½ inch electret condenser microphone

Display: LCD

Digital Display: 4 digit

Resolution: 0.1dB

Display Update: 0.5 sec.

Time Weighting: FAST (125ms)

Level Ranges: 40 - 130dB

Accuracy: ± 2dB

Dynamic Range: 50 dB

Alarm Function: "OVER" is when the input is more than upper limit of range.

"UNDER" is when input is less than lower limit of range.

MAX / MIN Hold:

Hold readings the Maximum and Minimum Value.

AC Output: 1 Vrms at FS (full scale).

Output impedance: Approx 100 Ohms

FS: means the upper limit of each level range.

Power Supply:

One 9V battery, 006P or IEC 6F22 or NEDA 1604.

Power Life: Approximately 30hours (Alkaline Battery)

Operation Temperature: 32° to 122°F (0° to 50°C)

Operation Humidity: 10 to 75%RH

Dimensions: 8.1 x 2.4 x 1.6 in.

210 x 101 x 40 mm

Weight: 5.2 oz. including battery

Accessories: 9V battery, screwdriver, instruction manual and windscreen.

WHY dBchecker?

Merely "listening" or utilizing any sound level meter available is not a reliable method for testing audible alarm notification appliances. Many of the meters currently on the market do not meet the requirements for NFPA 72. **dBchecker™** conforms to ANSI S1.4a, which is required to meet the standard set forth in the latest edition of the National Fire Alarm Code. (NFPA 72)

HIGHEST STANDARDS

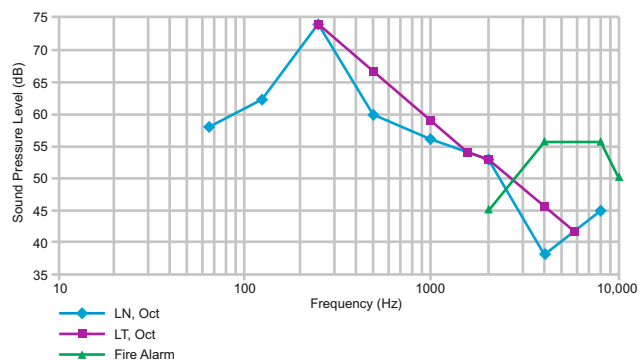
" ...only sound level meters that comply with ANSI S1.42 should be used for the assessment of fire alarm systems..."

" ...Testing of Audible Alarm Notification Appliances shall be done upon initial acceptance and semi-annually"

" ...Sound pressure shall be measured with sound level meter meeting ANSI S1.4a, Specifications for Sound Level Meters, Type 2 Requirements. Levels throughout the protected area shall be measured and recorded...." NFPA 72 14.4.2.2 (15)

CAN/ULC S536-04, G1.1

" The sound level meter shall have a measurement range that permits readings as low as 35 dBA..." "The use of a quality meter to minimize any measurement errors. ANSI S1.40, Specifications for Acoustic Calibrators, is one standard that can provide guidance on the subject."



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DESCRIPTION

Powerchecker™ provides a comprehensive means of testing the state of charge or state of power for more than 30 battery types. This microprocessor -controlled instrument is designed for commercial or home use and tests popular primary (non-rechargeable) and rechargeable batteries using a patented, high accuracy pulse load test. After a fully automatic test cycle, percentage of remaining battery capacity is indicated on the LED bar display. Battery types are clearly labelled next to appropriate contacts. The negative test lead/probe conveniently stores in seam at side. It's easy to use, and test results are easy to understand. Tests NiMH, Li-Ion, alkaline, lithium, coin cell, button type and more.

Requires 4 batteries (not included).

- **Computes State of Charge (SOC) for more than 40 battery types**
- **Easy to use - no switches or settings**
- **Emergency lighting / Battery back-up**
- **Test battery condition - quickly and easily identifies weak or failing batteries**
- **Patented high accuracy. Pulse Load Test - battery safe, non-invasive**
- **Measures battery performance under load, not just voltage or internal resistance**
- **Ideal for battery management and cell matching - reduce costs and increase reliability**
- **Ideal for wireless detectors**
- **Made in U.S.A Patents 6,823,724 and D569285**



powerchecker™ is ideal for testing all batteries used in emergency, fire alarm, security systems, and electrical appliances.



powerchecker™

PULSE LOAD MULTI-BATTERY TESTER



INSTRUCTIONS

There are no settings to make prior to testing. Select the proper terminal for the battery you plan to test, then follow these simple steps:

1. Place the battery's positive (+) terminal on the appropriate tester terminal. Battery types are clearly labelled next to each contact terminal.
2. Hold the built-in probe tip firmly against the battery's negative (-) terminal. If you are using a twin terminal set, for example 9-volt, the built-in probe is not used.
3. Hold contact firmly throughout the entire test cycle (during 'running' LEDs), then continue to hold contact to display
4. Lift the probe or battery to end a test, Repeat test for best accuracy.
5. A blinking 10% LED at the end of the test cycle indicates that the battery is less than 5% capacity.
6. When testing rechargeable type batteries (NiMH & Li-Ion), it is recommended that the battery be off the charger for at least 20 minutes prior to testing.

To test 9-volt batteries, note the polarity then hold the battery against the appropriate twin terminal set.

The display will remain lit until the battery is removed from the tester's terminals. This does no harm or drain the battery being tested.

Please refer to the full Operating Instructions Manual supplied with the unit for further information.

SPECIFICATIONS

Part No.: PC01

Testing capability:

- 3.6v Li-Ion rechargeable [RCR123A, 18500, 17650, 18650]
- 1.5v button cell [S76, A76, A625, A640, LR44, 357, 303]
- 1.2v NiMH/NiCd rechargeable [AA, AAA, C, D]
- 1.5v lithium [AA (L91), AAA, (L92)]
- 3v lithium coin (CR) [1216, 1220, 1232, 1612, 1616, 1620, 1632, 2016, 2025, 2032, 2320, 2430, 2450, 58L, 1/3N]
- 6v '28' series [28A, S28, 28L]
- 3v cylindrical lithium [CR123, CR2]
- 1.5v alkaline [AA, AAA, C, D, N]
- 12v alkaline [A23]
- 9v alkaline, carbon zinc

Power (internal): 4 x AAA batteries

Display: 6 LEDs - Green, yellow, and red

Pulse Load: magnitude varies according to battery type

Test duration: 2-3 seconds, varies according to battery type

Contact terminals: nickel-plated brass for high conductivity and durability

Test lead: Flexible, high strand-count 18A WG plastic coated, kink-less lead wire

Dimensions: 8 x 4.5 x 1.25 inches

Weight: 14.5 oz. / 400g

UPC: 5060184301282



APPLICATIONS

- Emergency, and Fire Alarm Systems
- Electronics
- Rechargeables
- Security
- Industrial
- Medical
- Theatre/music
- Scientific
- Access control
- Remotes/wireless
- Inspection
- IT
- Utilities
- Battery Management
- Manufacturing
- Safety
- Service

SOFT CASE ACCESSORY

- Designed for Powerchecker™
- Secure Velcro flap
- Protects against dirt and impact
- P/N PC01-SC



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