First
Responder

Protecting Our Homeland and Our Communities
is Your First Priority...**Protecting You is Ours!**

Fisher Scientific

SCOTT S A F E T Y

The X-Series thermal imaging cameras powered by ISG Vista technology provide firefighters with the ultimate combination of situational awareness, lightweight design and robust features. The superior image quality enables firefighters to fully interpret a fire scene and make more-informed tactical decisions.

Product Features:

- **Hot Spot Tracker** — Find the hottest part of the scene and determine the true seat of the fire to improve decision making
- **Cold Spot Tracker** — Locate gas leaks and monitor the temperature of chemicals during fire suppression
- **High Resolution Detection** — Read temp with the highest pixel resolution (384 x 288) and fastest refresh rate available
- **Tactical Color** — Achieve crisp, clear image performance in temperatures above 2500°F
- **Intelligent Focus™** — See an object in crystal clear detail, hands-free

Powered by ISG Technology

At the heart of the X-Series camera is ISG technology, the very latest in advanced thermal imaging, with exclusive features such as hot spot tracking, Intelligent Focus™ and tactical colorization.

First
Responder

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Personalized Service with Experience

Our helpful, knowledgeable staff has been trusted in protecting what matters most to first responders, the world over for decades.

OUTSIDE SALES

Our experienced field sales team is there whenever you need us. Many of our sales representatives have first responder experience, so they are very familiar with the products and understand the safest and most effective manner in which they are used.

And because Fisher Scientific is part of Thermo Fisher Scientific, we have the resources to provide products for your safety in virtually any environment.

INSIDE SALES

As close as your phone or computer, our expert inside sales specialists provide details on products, technical specifications, quotes and ordering information.

CUSTOMER SERVICE SUPPORT

Fisher Scientific's customer service lines are answered 24 hours a day, seven days a week. We continuously monitor the support we provide to ensure the highest level of quality. All of Fisher Scientific's customer service representatives are trained professionals and are enrolled in ongoing product training to enhance their knowledge.

To better serve the diverse needs of our first responder customers, our customer service team is divided into two groups: one focused solely on Federal Government and Military, the other on State and Local Government. Each group is experienced in providing solutions that help our customers do what they do best: Protect What Matters Most™.

Toll-Free Telephone
Federal Government and Military: **1-800-226-4732**
State and Local Government: **1-888-263-5319**

Fax: **1-866-897-9946**
Email: **CSO.CAT@thermofisher.com**

FISHER SCIENTIFIC SAFETY SERVICE

Making sure first responders have access to the right safety equipment is not enough – it needs to be maintained and kept in the best working condition possible. That's why we recommend equipment maintenance and repair services, either on-site at customer location or through one of Fisher Scientific's service centers.
Isn't it time to experience a new level of safety service…
- Better turnaround times
- Better quality
- Better total costs
Sometimes easier is also better. To learn more, call us at **1-866-822-2723**, or email **service.fishersafety@thermofisher.com**

THERMO FISHER FINANCIAL SERVICES

Through Thermo Fisher Financial Services, we provide creative, competitive and comprehensive financial solutions for capital purchase needs. Our program provides:
- **Minimal Capital Expenditures**
- **Pay-As-You-Go**
- **Low, Fixed Payments**
- **Longer Terms**
With Thermo Fisher Financial Services, we can help ensure that responders can purchase the equipment that they need, when they need it so they can Protect What Matters Most.

CONTRACTS and PROCUREMENT PROGRAMS

Fisher Scientific participates in various contract and procurement programs that offer special pricing and options for our federal, state and local government customers. A few of the most popular programs are featured below…for additional programs, contact your Fisher Scientific Sales Representative.
Federal and Military Government Customers
- GSA Advantage Schedule 84 for Law Enforcement, Fire and Security
- DoD EMALL/IDIQ

State and Local Government Customers
- GSA Advantage Schedule 84 for Law Enforcement, Fire and Security
- HGACBuy
- NASPO Contracts
- NY HIRE (Hazardous Incident Response Equipment Contract)

PERSONAL
PROTECTIVE EQUIPMENT

THERMAL IMAGING
AND DETECTION

RESPONSE
EQUIPMENT

Fisher Scientific

Federal Govt. Sales: 1-800-226-4732   State and Local Govt. Sales: 1-888-263-5319   Fax: 1-866-897-9946   Email: CSO.CAT@thermofisher.com   Website: www.fishersci.com/FirstResponder

1

Morning Pride TAILS First Responder Turnout Gear

Structural and proximity gear that offers proven performance, exceptional comfort and reliability

Morning Pride™ by Honeywell offers complete turnout gear flexibility with a full range of options — styles, sizes, material, special options, custom or customizable stock models — making it ideally suited for all departments from large metropolitan forces to rural volunteers. All turnout gear configurations are certified to meet NFPA 1971, 2007 Edition.

Standard TAILS™ Coat Features
- TAILS System reduces overlap at the front and adds extra length on the back for improved mobility and protection
- Kinetic Kut™ styling significantly reduces hem rise and sleeve retraction
- Patented Forward Flex™ sleeve eliminates sleeve retraction
- Three-piece coat pattern throughout all layers
- Double-felled stitched major seams on all three layers
- Articulating drag rescue device
- Comfortable chin straps with curved design
- Dead-air thermal enhancement panels
- Single seam sleeves
- Waterproof Nomex™ wristlets with long tabs
- Inspection ports

Standard Pants Features
- Full range of motion crotch
- Low-fitting waist
- Adjustable postman take-up straps
- Bi-flex heat channel knees
- Reinforced sleeves, cuffs and pockets

Additional Features
- Custom sizing
- Advanced Protective Tracking (APT) barcoded
- All breathable construction
- Hang-up loop with 80 lb. hang strength
- Button suspender attachments

Popular Pant Options
- Knee protection
- Postman take-up straps
- Leather or Ara-shield knees
- Bellows pockets — 9 x 9 x 1.5"
- Heavy-duty red or Dyna-Fit suspenders
- Choice of required trim packages

Gear Material Choices:

Outer Shell Fabrics
- Nomex IIIA™
- Advance™
- Omni Vantage™
- Advance Ultra™
- Armor 7.0™
- Gemini™ XT
- PBI Max™
- Millenia™ XT

Moisture Barriers
- Crosstech™ Black
- Gore™ RT7100
- Stedair™ 4000
- Stedair 3000
- Stedair Gold

Popular Coat Options
- Dead air thermal enhancement panels
- Half-height bellows pockets — 6 x 9 x 1.5"
- Leather or Ara-shield™ cuffs, shoulder caps and elbows
- Lettering on back patch
- Radio pocket — 8 x 3 x 2"
- Microphone tab
- Long tabbed Nomex wristlets
- Choice of required trim packages

Certified Escape Systems
- Spider™ Harness — Integrated Class II safety and rescue harness with A-frame
- Patriot™ Harness — Integrated Class II safety and rescue harness
- Life Grip™ Ladder / Escape Belt — Functional and fully adjustable escape belt

Thermal Liner Fabrics
- XLT-Lite™ Chambray
- Aralite NP™
- Aralite SL-3
- Defender™ M SL2
- Synergy II 2-layer
- PBI ThermalGUARD™
- Caldura™ NPI
- Caldura SL2i
- Glide™ Pure
- Glide 2-layer
- Quantum3D™ SL2i
- Glide PBI G2

Trim Material Choices:

3" Brilliance Reflexite*

Orange Two-Tone Scotchlite*

Solid Orange Scotchlite

2/3" Brilliance Reflexite*

Lime Two-Tone Scotchlite

Solid Lime Scotchlite

For ordering information, contact your Fisher Scientific Sales Representative.

Morning Pride Proximity Gear
Combines all the system construction features and details of the structural TAILS system with maximum thermal protection, minimal resistance to movement and added radiant heat reflectivity as defined for proximity clothing under the NFPA 1971 standard.

For comfort and durability, non-reflective materials are standard in:
- Collar innermost layer: Pbi/Kevlar
- Chinstrap innermost layer: Pbi/Kevlar
- Coat storm flap innermost layer: black Nomex
- Coat inner facings: match garment liner
- Pant fly inner lining: matches garment liner

Popular Coat Options
- Dead air thermal enhancement panels
- Half-height bellows pockets — 6 x 9 x 1.5"
- Leather or Ara-shield cuffs
- Radio pocket — 8 x 3 x 2"
- Microphone tab
- Long tabbed Nomex wristlets

Popular Pant Options
- Knee protection
- Postman take-up straps
- Bellows pockets — 9 x 9 x 1.5"
- Heavy-duty red or Dyna-Fit suspenders

Proximity Outer Shell Materials
- Z-Flex Aluminized PBI and Kevlar
- Aluminized Kevlar
- Aluminized PBI and Kevlar

Specialized Proximity Gear Options:

Detachable collar lining and wristlets

Removable crotch/seat

Strap-on training knees

SCBA Cover

Federal Govt. Sales: 1-800-226-4732   State and Local Govt. Sales: 1-888-263-5319   Fax: 1-866-897-9946

2

Ben 2 LR Traditional Helmet

Firefighting Helmets by Honeywell™ First Responder

Fisher Scientific offers Honeywell First Responder Products' complete line of firefighting helmets, including the latest styles — the EV1 series and the LR Low Rider series. All helmets are certified to meet NFPA 1971. To learn more about these firefighting helmets, as well as other helmets (rescue, wildland and EMS), contact your Fisher Scientific Sales Representative.

Honeywell EV1 Helmets provide wearers with unparalleled comfort and superior functionality. Lightweight, low-profile design — weighs only 50 oz. Helmet enables a customizable fit and features patented internal spring-loaded EZ Touch face and eye protection. Helmets come standard with leather headband and ratchet assembly with hook and loop. Available in both Traditional and Modern styles.

Morning Pride LR Low Rider Helmets are available in popular Ben 2 Traditional and Lite Force Modern configurations. Each delivers a lower center of gravity, and six-position suspension that provides a full 1½" of adjustment for a quick and easy custom fit. Styles available to meet both structural and proximity firefighting applications. The Ben 2 with EZ-FLIPS is the only certified helmet with flip-down face protection that does not require extra goggles.

Contact your Fisher Scientific Sales Representative about Honeywell's other available helmets, including styles designed specifically for rescue and EMS, as well as wildland firefighting.

19-823-191

19-823-190

19-823-193

Honeywell™ First Responder MaskMate™ Hoods

- Improves mask-to-hood interface with an opening that adapts to face and neck, and air mask size and shape
- Square bib with notched shoulders
- Maximizes field of view with adaptive face opening
- Comfort-top pattern eliminates seam on peak of head
- Universal fit

Certification: Meet NFPA 1971, 2013 Edition

Description	Cat. No.
Nomex™	**19-823-190**
Pbi blend	**19-823-191**
P-84™ blend, natural	**19-823-193**
Nomex/Lenzing	**19-823-195**

Many of the firefighting personal protective products that Fisher Scientific offers are available through federal, state or local contracts; to learn more, contact your Fisher Scientific Sales Representative.

Honeywell™ First Responder Kangaroo Leather Super Gloves

Glove back made of top-grain kangaroo leather offers easy flex and exceptional durability
- Black Digiroo™ digital kangaroo grip on palms and fingers for durability, grip and tactility
- Dead-air spacer ridges allow natural hand flexing
- 3-D hand-shaped styling with staggered layer seaming ensures wearer comfort
- Air Space™ thermal architecture traps air for protection without bulk
- Durable Crosstech™ moisture barrier
- Glove front and back with black ever-soft cowhide cuffs

Certification: Meet NFPA 1971, 2007 Edition

Size	Gauntlet Glove	Wristlet Glove
	Cat. No.	Cat. No.
Small	**19-171-019B**	**19-171-020B**
Medium	**19-171-019C**	**19-171-020C**
Large	**19-171-019D**	**19-171-020D**
X-Large	**19-171-019E**	**19-171-020E**
2X-Large	**19-171-019F**	**19-171-020F**
3X-Large	**19-171-019G**	----

Fisher Scientific

Honeywell™ First Responder PRO Series Firefighting Boots

Premium-quality, full-grain military AB leather construction (in sizes from 4 to 16) and up to five widths

These pull-on bunker-style 14" firefighting boots offer exceptional flexibility, durability and water resistance, and are designed to weather the most arduous conditions. Models 5006 and 5007 add breathable Advance™ ripstop fabric to reduce overall weight.

All PRO Series boots feature:
- Supportive Goodyear Welt construction that molds to wearer's foot yet allows air ventilation through the sole
- Breathable Advance™ ripstop fabric (only on Models 5006 and 5007) reduces boot weight while maintaining durability and flexibility
- Vibram™ Fire and Ice lugged sole for improved stability
- Star-patterned lug for maximum wear, traction and durability
- Reflective welt below the pant line aids in firefighter visibility
- Texon™ board shinguard cushions and protects shins when standing on ladders
- Broad oblique steel toe fits even the widest of feet and offers extreme comfort and protection
- Puncture-resistant stainless-steel bottom plate exceeds NFPA standard for incidental punctures on the fire ground
- Corrosion-resistant triple rung shank for superior arch and ladder support
- Heel grip wall substantially reduces heel slippage
- Patented PowerHeel™ protects the heel area from damage as a result of improper doffing of boots
- Heavy-duty round handle straps prevent chafed legs and protect thermal barrier of bunker pants
- Reinforced waterproof leather side and back stays ensure boots remain upright and retain their shape with traditional bunker pant stacking
- Advanced Protective Tracking (APT) barcode for departmental NFPA 1851 tracking
- Removable cushioned or molded insert
- Made in the U.S.A.
- Berry compliant models available

For ordering information, contact your Fisher Scientific Sales Representative, or click on the Pro Boot Model in the chart at right.

PRO 5006   PRO 5007   PRO 5050

PRO Boot Models	5006	5007	5050
Construction	Goodyear Welt		
Outershell	Leather/Advance	Leather/Advance	Waterproof Leather
Moisture Barrier	Crosstech		
Thermal Barrier	7.5 oz. Kevlar	7.5 oz. Kevlar	7.5 oz. Kevlar/Felt
Lining	Omaha	Cambrelle/Omaha	Cambrelle/Omaha With Radiant Barrier
Shinguard	Yes	Yes	No
Powerback	Yes	No	No
Metatarsal	No		
Protective Toe	Steel		
Toe Tip Cover	Rubber PowerToe	Rubber PowerToe	Silicone-impregnated Leather
Heel Cover	PowerHeel	PowerHeel	No
Heel Counter	Thermoplastic		
Shank	Steel		
Removable Insert	Cushioned	Molded	Molded
Bottom Plate	Steel		
Sole	Vibram Fire and Ice Lug		
Reflective Trim	Yes		
APT Barcode	Yes		
NFPA Standards	NFPA 1971	NFPA 1971	NFPA 1971 NFPA 1992 (5050B)

Model	5006			5007				5050			
Size/Widths	D	E	EEE	C	D	E	EEE	C	D	E	EEE
4					✓	✓	✓				
4.5					✓	✓	✓				
5	✓	✓			✓	✓	✓		✓	✓	✓
5.5	✓	✓	✓		✓	✓	✓		✓	✓	✓
6	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
6.5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
7	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
7.5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
8	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
8.5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	✓	✓	✓		✓	✓	✓		✓	✓	✓
16	✓	✓	✓				✓		✓	✓	✓

Federal Govt. Sales: 1-800-226-4732   State and Local Govt. Sales: 1-888-263-5319   Fax: 1-866-897-9946

4

DuPont™ Tychem™ TK Class 2 Level A Suits

Specifically developed for protection against toxic, corrosive gases, liquids and solid chemicals

Use NFPA 1994 Class 2 suits in situations where an unidentified chemical/biological substance of unknown concentration poses an immediate threat. Provides at least 30 minutes of protection against more than 320 chemical challenges.
- Extra-wide, three-layer faceshield
- Double taped seams
- Gastight front entry zipper closure
- Double storm flaps
- Attached three-layer gloves and sock boots
- High-visibility lime yellow color

Size	Cat. No.
Large	**19-130-0001**
X-Large	**19-130-0002**

Kappler Zytron™ 100XP Chemical Protection Suit

Zytron 100XP is a new, tougher version of Z100 — the same excellent chemical holdout with stronger physical properties. Color is Blue.

Z100XP Style Details
- Available coverall styles include plain, elastic wrists/ankles, and attached hoods and/or boots
- Hooded styles include elastic face opening with extended chin protection
- Seams are available Serged or Bound for additional protection
- Bound Seam styles include single storm flap with pressure sensitive tape closure
- Coveralls packaged 12 per case

Applications
- Acid handling
- Tank cleaning
- Agrichemical mixing/application
- Petro-chemical refinery operations

Size	Mfr. No.	Cat. No.
X-Small	Z1B414XP-XS	**19167860A**
Small/Medium	Z1B414XP-SM/MD	**19167860B**
Large/Xlarge	Z1B414XP-LG/XL	**19167860C**
2X-Large/3X-Large	Z1B414XP-2X/3X	**19167860D**
4X-Large	Z1B414XP-4X	**19167860E**

Kappler Zytron™ 300 Chemical Protection Suit

Zytron 300 is ideal for demanding applications where there is potential for chemical splash. Increased physical strength and even broader chemical holdout take the protection level up a serious notch. Color is Tan.

- Elastic hood opening with special design for better fit against respirator, with attached gloves and sock boots
- Front zipper extends diagonally across chest up into hood for easier donning/doffing
- Zipper opening has double overlapping storm flap with Hook and Loop closure
- Double glove system permanently attached to sleeves
- Sock boots with splash guards (worn inside outer work boots)
- Boot splash guards have elastic edge
- Glove System permanently attached to sleeves: Z3H427-92 has Double Glove System with Neoprene Outer Glove and Film Inner Glove

Size	Mfr. No.	Cat. No.
X-Small	Z3H427-92-XS	**19167861A**
Small/Medium	Z3H427-92-SM/MD	**19167861B**
Large/Xlarge	Z3H427-92-LG/XL	**19167861C**
2X-Large/3X-Large	Z3H427-92-2X/3X	**19167861D**
4X-Large	Z3H427-92-4X	**19167861E**

Kappler Frontline™ 500 Vapor Total Encapsulating Suit

Broad chemical holdout plus flame resistance and radiant heat protection for additional hazards encountered in a chemical flash-fire

- Seams are sewn and double heat-sealed/taped for added protection
- Large expanded-view face shield improves field of vision
- 122cm (48in.) Gas-tight PVC zipper
- Double storm flap with hook and loop closure
- Attached sock boots with boot flap
- Field replaceable 2N1™ glove system includes butyl gloves with specially attached barrier glove liner and knitted Kevlar™ overgloveFront entry
- Two exhalation valves

Certifications: Certified to NFPA 1991

Size	Mfr. No.	Cat. No.
Small, Medium	F5H580 91 SI SMMD	**18-025-690**
Large, X-Large	F5H580 91 SI LGXL	**18-025-691**
2X-Large, 3X-Large	F5H580 91 SI 2X3X	**18-025-692**
4X-Large	F5H580 91 SI 4X	**18-025-693**

Email: CSO.CAT@thermofisher.com   Website: www.fishersci.com/FirstResponder

Fisher Scientific

Tingley HazProof™ Boots

Ideal for situations involving dangerous chemicals, gases or biological hazards and waste

- Meets ASTM F2413 M/I/75/C/75 EH, for Steel Toe Impact and Compression,
- and Electrical Hazard Protection
- Injection molded construction for 100% waterproof protection
- Steel midsole meets and exceeds ASTM F2413 PR
- Steel shank provides firm arch support
- Blown closed cell EVA midsole for all day cushion comfort
- Height: 11 in. (28cm)

Certification: Meets NFPA 1991 Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies, 2005 Edition and CSA requirements for electrical hazard footwear

Size	Cat. No.
7	19-034-461B
8	19-034-461C
9	19-034-461D
10	19-034-461E
11	19-034-461F
12	19-034-461G
13	19-034-461H

Kappler™ Chem-Tape™

Seals gaps in protective apparel at sleeve, ankle, hood and storm flap

Yellow adhesive tape attaches pieces of protective apparel ensemble, preventing gross liquid intrusion at interface points.
- Provides a durable reinforcement, but tears easily for quick application
- For single use only

Ordering Information: Roll measures 2in. × 60 yd. (5cm × 55m).
Compliance: Permeation tested in accordance with MIL-STD 282 (using various chemical warfare agents) and ASTM™ F739 (using ASTM F1001 test battery).

Differentiator	Mfr. No.	Cat. No.
2in. x 60 yd.	99402YW	19-036-34

North by Honeywell™ Unsupported Butyl Gloves

Designed with curved fingers and hand for better dexterity

Ideal glove for military, disaster preparedness and industrial users.
- Highly resistant to ketones (MEK, MIBK, acetone) and esters (tricresyl phosphate, amyl acetate, ethyl acetate)
- Highest permeation resistance to gas and water vapor for protection, especially when handling toxic substances
- Flexible and sensitive, even at lower temperatures
- Rolled bead cuffs with smooth finish
- Unlined; sanitized interior
- Length: 14" (35.5cm)
- Thickness: 7mil

Compliance: Manufactured to military specifications MIL-DTL-43976D and WMD chemical requirements

Size	Cat. No.
X-Small	19-130-1161A
Small	19-130-1161B
Medium	19-130-1161C
Large	19-130-1161D
X-Large	19-130-1161E

ESS™ X-Tricator™ Goggles

Comfortable face padding and ergonomic fit

- Fit over most glasses
- Provide 100% UVA/UVB protection
- Fully filtered frame ventilation for optimal anti-fog performance
- Easy to apply in the field using the unique snap-on/snap-off helmet brim mounting system
- Can be stowed on front or back of helmet or quickly removed and protected in a pocket

Compliance: Meet ANSI™ Z87.1-2003; NFPA 1500, 2007 Edition; and applicable OSHA standards. Lenses exceed U.S. military MIL-V-43511C ballistic impact standards. Use with approved faceshield to comply with NFPA 1971, 2007 Edition standards.

Mfr. No.	Cat. No.
ESS01CB-EX	19-811-349

Federal Govt. Sales: 1-800-226-4732   State and Local Govt. Sales: 1-888-263-5319   Fax: 1-866-897-9946

6

NFPA 1981/1982 2013 Edition Updates: What You Need to Know

NFPA 1981 Standard on Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services applies to SCBA used during fire fighting, rescue, hazardous materials, terrorist incident and similar operations where responders may encounter:

- Confined spaces
- Atmospheres that are unknown
- Atmospheres that are or could become Immediately Dangerous to Life and Health (IDLH)
- Atmospheres that are or could become oxygen deficient

Key changes to NFPA 1981, 2013 Edition include:

- Increased facepiece lens durability requirements through two additional tests which measure facepiece performance against high temperature, flame and radiant heat
- New voice intelligibility requirements will eliminate the subjectivity of the testing and enhance overall intelligibility using new test requirements
  - ➤ Speech Transmissibility Index (STI) for improved repeatability and reproducibility in the test results
  - ➤ Mechanical communication performance test protocol
  - ➤ Amplified communication performance test protocol
- End-of-service Time Indicator (EOSTI), or low-air alarm, will move from 25% to 33% (with a tolerance of 0%, +5% or 33%–38%) of the cylinder's operating pressure
- For SCBAs using a wired Heads-Up Display (HUD) system, the user may not be able to disconnect the HUD wire and still maintain the air connection

NFPA 1982: Standard on Personal Alert Safety Systems (PASS) addresses requirements for PASS that monitor an emergency responder's motion and automatically emit an audible alarm if the responder becomes incapacitated.

Key changes to NFPA 1982, 2013 Edition include:

- All PASS devices will have a universal sound regardless of the manufacturer
- SCBA must meet the Class I, Division I intrinsic safety requirements set forth in the 6th edition of UL™ 913 standard
- NFPA committee worked with NIOSH to establish minimum performance and approval requirements for Emergency Breathing Support Systems, which were previously not approved for use
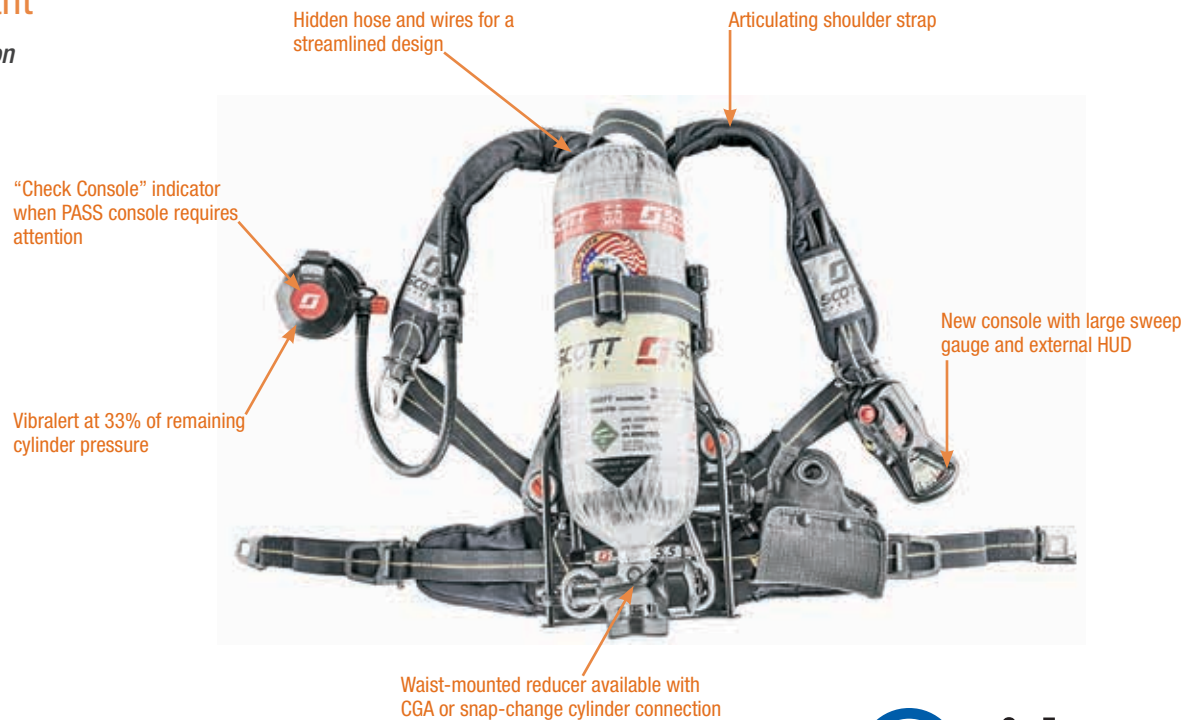
Scott Safety™ Air-Pak X3 SCBA, 2013 Compliant

Exceeds the requirements outlined in the NFPA 1981/1982, 2013 Edition

The Air-Pak X3 SCBA improves comfort through new shoulder strap designs, better weight management, and improved hose and wire management. Fire ground communications are enhanced with the introduction of the AV-3000™ HT facepiece, EPIC 3 communications, a new external Heads-Up Display (HUD) and optimally positioned "buddy" lights.

- Available with CGA or snap-change cylinder connection
- Available in 2.2, 4.5 or 5.5 cylinder pressures
- External HUD for easy air status updates of the team
- Dual redundant pressure reducer
- Vibralert™ tactile alarm
- Reduced cost of ownership
- Made in the U.S.A.

For ordering information, contact your Fisher Scientific Sales Representative.

Hidden hose and wires for a streamlined design

Articulating shoulder strap

"Check Console" indicator when PASS console requires attention

New console with large sweep gauge and external HUD

Vibralert at 33% of remaining cylinder pressure

Waist-mounted reducer available with CGA or snap-change cylinder connection

Fisher Scientific

Scott Safety™ AV-3000™ HT Facepiece with Kevlar™ Head Harness

Utilizes the proven Sureseal™ technology
— a reverse reflex sealing surface that maintains a continuous seal around the user's face to provide enhanced comfort and reliable fit
- Proprietary lens and bezel material to enhance thermal durability and wearer safety
- Redesigned voice communication components to deliver improved intelligibility with or without communication devices
- Robust communication bracket attachment with right- or left-side mounting for user preference
- Compatible with current and new EPIC 3 communication devices
- Designed for Top-Down Convertibility, the AV-3000 HT will allow for a single facepiece to be used for all NFPA™/CBRN/NIOSH† respiratory applications, reducing fit testing, training and inventory for lower total cost of ownership (pending approvals)
- Approved with NFPA 1981, 2002 and 2007 Edition Air-Pak SCBAs
- ANSI™ Z87.1-2010 Impact Rated

NFPA 1981 2013 Edition Facepiece Requirements
The AV-3000 HT is designed to meet the facepiece requirements set forth in the 2013 Edition of the NFPA 1981 Standard for high heat and flame and radiant heat by utilizing new proprietary lens and bezel materials. These new materials provide enhanced thermal durability and enhanced wearer safety by ensuring the facepiece stays under positive pressure when exposed to the heat and flame loads measured under NFPA 2013.

NFPA 1981 2013 Edition Voice Intelligibility Tests
Two voice intelligibility tests — one for mechanical communications and one for electronic, or amplified, communications — are included in the NFPA 2013 Edition.

The AV-3000 HT:
- Meets the mechanical and electronic testing requirements set forth in the new standard
- Uses two voicemitters to provide a sphere of intelligibility to those around the respirator wearer, not just the individuals directly in front of the wearer
- Enables right- or left-side mounting for Scott Safety EPIC 3 voice amplifiers

Size	Mfr. No.	Cat. No.
No Brackets		
Small	201215-01	19-100-850
Medium	201215-02	19-100-851
Large	201215-03	19-100-852
Right Brackets		
Small	201215-04	19-100-853
Medium	201215-05	19-100-854
Large	201215-06	19-100-855
Left Brackets		
Small	201215-07	19-100-856
Medium	201215-08	19-100-857
Large	201215-09	19-100-858

Scott Safety™ AV-3000™ Facepiece with SureSeal

"Top-Down Convertibility" design allows a single facepiece for all Scott APR, PAPR, SAR and SCBA respirators
- Patent-pending SureSeal technology for the most advanced fit and comfort
- Wide seal offers a more secure interface with protective suits, hoods, shrouds and helmets
- Mechanical and extensive electronic communication options across all applications
- One fit test and reduced training
- All components are latex-free
- Kevlar™ head harness meets NIOSH, ANSI™ Z87.1-2003 and NFPA 1981:2007 requirements

Size	Cat. No.
Small	19-500-630
Medium	19-500-631
Large	19-500-632

Scott Safety™ SCBA Replacement Carbon-Fiber Cylinders

For Use with Air-Pak 75 SCBA
Lightweight, carbon-fiber cylinders help firefighters avoid weight-related fatigue
- Constructed of an aluminum alloy inner shell and overwrapped entirely with carbon-fiber, fiberglass, and epoxy resin
- Cylinder liner is coated with aluminum oxide to protect against moisture and corrosion

Ordering Information: Reference specific SCBA descriptions to determine compatibility. hydrostatic testing to be performed every five years. Fifteen year life expectancy.

Time	Pressure	Weight	Mfr. No.	Cat. No.
For Use with Air-Pak 75 SCBA†				
30 min.	2216psig	9.4 lb. (4.3kg)	804840-01	19-003-267A
30 min.	4500psig	9.4 lb. (4.3kg)	804721-01	19-003-264A
45 min.	4500psig	13.6 lb. (6.2kg)	804722-01	19-003-264B
60 min.	4500psig	16.6 lb. (7.5kg)	804723-01	19-003-264C

†CGA Connection HP Hose

Time	Pressure	Weight	Mfr. No.	Cat. No.
For Use with the Air Pak NxG Series‡				
30 min.	22216psi	9.4 lb. (4.3kg)	200131-01	19-824-450
30 min.	4500psi	9.4 lb. (4.3kg)	200128-01	19-824-451
45 min.	4500psi	13.6 lb. (6.2kg)	200129-01	19-824-452
60 min.	4500psi	16.6 lb. (7.5kg)	200130-01	19-824-453

‡SNAP-change cylinder

Scott Safety™ RIT-PAK III Emergency Air Supply System

All-inclusive emergency air supply system that works in mutual aid situations regardless of SCBA

19-121-021

Designed by firefighters and RIT Instructors for rapid intervention teams or emergency response teams. The RIT-PAK III is field designed and tested.
Carrying Device
- Protective skid plate reduces friction when the RIT-PAK III is dragged and makes it easier to identify bag orientation in low-visibility environments
- Two storage pouches allow easy access to rescue tools and rescue rope
- High-visibility orange color with reflective stripes improves visibility
- Easy-to-remove, adjustable-length shoulder/drag strap
- Identifiable handles enable user to determine low-pressure side with facepiece, regulator and manifold from the high-pressure side with cylinder valve, pressure reducer and low-pressure alarm

Pneumatics
- External pressure gauge provides pressure indicator lights to mimic those used on the heads-up display on the Air-Pak SCBA
- Universal low-pressure hose can be equipped with quick-connect fittings that work with other manufacturers' SCBAs
- Audible alarm at 25% of pressure complements the pressure indicator lights on the external pressure gauge

Facepiece
- Modified AV-3000 with SureSeal, has a simple-to-use donning strap, making it quick and easy to strap onto a downed firefighter or victim

Bag
- Dimensions: L X W x H: 33 x 10.5 x 8.5" (83.8 x 26.7 x 21.5cm)
- Weight (without cylinder): 20 lb. (9kg)

Pressure	Includes	Cat. No.
2216	Carrying bag, shoulder strap, 6' EBSS hose, 5' RIC hose	19-111-131
2216	Carrying bag, shoulder strap, 6' EBSS hose, 5' RIC hose, facepiece, EZ-Flo™ regulator	19-111-130
4500	Carrying bag, shoulder strap, 6' EBSS hose and 5' RIC hose	19-121-022
4500	Carrying bag, shoulder strap, 6' EBSS hose, 5' RIC hose, facepiece and EZ-Flo regulator	19-121-021
5500	Carrying bag, shoulder strap, 6' EBSS hose, 5' RIC hose	19-111-231

Federal Govt. Sales: 1-800-226-4732   State and Local Govt. Sales: 1-888-263-5319   Fax: 1-866-897-9946

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BREATHING AIR SYSTEMS — *High-Performance Products from Scott Safety*

Scott Safety™ Revolveair
Charge Stations

The revolutionary RevolveAir Charge Station provides maximum safety and performance, simultaneously charging two BACs within the protective chamber while two BACs are being exchanged on the outside of the chamber. The unit comes complete with rigid charge adapters, safety interlocks, safety gauges, charge and bleed valves and pressure regulator for automatic BAC charging.
Features and Benefits
- Third-party test and certified (NFPA 1901)
- Safety pressure gauges (storage compressor and cylinder)
- Auxiliary outlet unregulated back, regulator front
- Dual pressure, cascade panels, smart fill
- High/low pressure
- SCUBA kit

Scott Safety™ Hush & Simple Air
Compressors

The quietest breathing air compressor on the market. A complete compressor assembly with maximum open-frame air flow design, featuring our FreshAir Purification System, capable of up to 120,000 scf. CFM/liters range from 22 to 40 CFM/609 to 722 liters. Horsepower 15, 20 and 30 at 6,000 psi/413 bar. Featuring Scott Safety X4 Controller with automatic control and indicator panel and high-temperature/low-oil shutdown.
Features and Benefits
- Auto drain system with muffler reservoir
- Stage gauge panel
- Emergency stop button
- Operation time meter
- Two-year warranty
- For larger systems, please call the factory

Scott Safety™ Smart Fill
Auto Cascade Panel

Fully automatic, the Smart Fill Auto Cascade System is an easier and more efficient way to cascade. It is simple to use and maintain, so it r equires minimal training and frees the operator to perform other tasks while guaranteeing maximum air is pulled from the storage cylinders. Easily added to any unit, the system works with or without a compressor and on both stationary and truck-mounted units.
Features and Benefits
- Automation saves time and maximizes air
- Small footprint and only weighs 26 lbs.
- Pneumatic driven (no electric power)
- Modular—easily added to any unit

Scott Safety™ Storage Systems
Vertical or Horizontal

Scott provides an array of cylinder combinations to suit your department's particular requirements for space and performance.
Features
- Meets all ASME, DOT, TC, CRN and UN/ISO codes
- Properly sized storage system meets peak demand requirements
- Storage can provide operation in the event of a power failure
- Available cylinder configurations 1 x 2, 2 x 2 or 2 x 3
- 10 year hydro test on all DOT versions

For additional detail on compressor configurations that best meet your needs, contact your Fisher Scientific Sales Representative. And for complete compressor service and maintenance, contact Fisher Scientific Service at 1-866-822-2723 or email service.fishersafety@thermofisher.com.

Scott Safety™ Eagle Attack™ Tactical Thermal Imaging Camera

Compact, full-featured tactical imager offers performance, quality and durability

Lightweight camera weighs only 27 oz. — the ideal size and weight for clipping onto turnout gear using lanyard (supplied) via multiple attachment points. Its high-temp, water-resistant polymer housing is designed to meet firefighter needs, while ergonomic glove-ready handle supports up to 200 lbs. Internal electronics are isolated to withstand vibration and impact. Picatinny rail attachment point on top of camera's housing accommodates either flashlight (included Streamlight™) or laser.

Other standard features include:
- Easy-to-view color display with built-in visor and 320 x 240 resolution uses TAC (Temperature Awareness Colorization) technology for rapid-fire scene analysis — temperatures under 200°F will display in grayscale while higher temperatures display in color (yellow indicates temperatures >200°F, orange >501°F, red >801°F)
- Display also has digital temperature indicator, battery-life indicator
- Field-replaceable, high-functioning germanium lens for excellent image resolution and sensitivity
- TVR (Thermal Video Recording) provides up to four hours of digital recording, automatically capturing every event for later use; standard MP4 camera files avoid need for special software
- Silicone rubber bumpers protect lens — available in four colors
- Low-profile charging system with interlocking housing makes vehicle installation easy; simultaneously charges camera and spare battery; single power cord can be used to daisy-chain multiple charging units (three DC powered units can be daisy-chained together; two AC units can be connected)
- Powered by removable lithium-ion battery
- Provides up to six hours of operation (four hours with TVR use)

19-500-713

Includes: Glare shield, retractable lanyard and flashlight

Warranty: Two years

Eagle Attack TIC Bumper Color	Cat. No.
Red	**19-500-711**
Yellow	**19-500-712**
Black	**19-500-713**
Silver	**19-500-714**

Thermo Scientific™ RadEye™ SPRD Spectroscopic Personal Radiation Detector

Detect, localize and identify radiation sources

The Thermo Scientific RadEye SPRD Spectroscopic Personal Radiation is an economic and easy- to-use Gamma radiation detector that enables it's user to detect, locate and identify radioactive sources. The capability to perform nuclide identification is added to the advantages of a pager sized personal radiation detector like compact size, low weight and long battery life time. This combination makes the RadEye SPRD detector a perfect tool for those users where the detecting, locating and identifying sources of radiation is a minor requirement of their main task.

The RadEye SPRD offers the patented Natural Background Rejection (NBR) technology that provides high sensitivity with immediate high selectivity to differentiate between natural and man-made radiation during search and find operation of the device. Once an alarm indicates the presence of a significant radiation contribution, the RadEye SPRD can be put into nuclide identification mode and the source of radiation can be analyzed.
- Can be used as a search and survey tool as well as for nuclide analysis
- Can be used in a belt-loop holster for hands-free operation
- Menu-driven with an intuitive, easy-to-use format
- Low-power-technology components and fully automated self-checks result in minimum maintenance
- Equipped with large, clear graphic display and audible/visible/vibrating alarms; earphone- output for silent alarming
- Includes removable rubber sleeve for extra protection
- Designed to meet ANSI™ N42.48

Description	Cat. No.
RadEye SPRD	**19-175-715**

Thermo Scientific™ RadEye PRD Personal Radiation Detector

High sensitivity with high selectivity

Lightweight, handheld radiation detector can be used as a search and survey tool — it fits in a belt-loop holster for hands-free operation. Designed for high-sensitivity gamma radiation detection and dose rate measurement by security forces and first responders.
- Menu-driven with an intuitive, easy-to-use format
- 5,000 to 10,000 times more sensitive than typical electronic dosimeters; incorporates highly sensitive NaI(Tl) scintillation detector with miniature photo-multiplier for detection of very low radiation levels (emphasis on gamma emissions below 400 KeV)
- Patented Natural Background Rejection (NBR) technology provides high sensitivity with high selectivity; eliminates nuisance alarming due to naturally recurring radiation sources
- Low-power technology components and fully automated self-checks result in minimum maintenance
- Equipped with large, clear graphic display and audible/visible/vibrating alarms; earphone-output for silent alarming
- Factory calibrated in exposure rate R/h
- Dimensions: 1.25 x 2.4 x 3.78" (3.2 x 6 x 9.6cm)
- Weight: 5.6 oz. (158.7g)

Requires: Two AAA batteries for 1000 hours of continuous operation

Includes: Removable rubber sleeve for extra protection and two AAA batteries

Compliance: Designed to meet ANSI™ N42.48, 42.33/1, 42.32 and IEC 62401

Description	Cat. No.
RadEye PRD Standard 25mR/h Measuring Range	**19-165-966**
RadEye PRD-ER (Extends the measuring range to 10R/h from the standard 25mR/h)	**19-810-126**

Federal Govt. Sales: 1-800-226-4732   State and Local Govt. Sales: 1-888-263-5319   Fax: 1-866-897-9946

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Thermo Scientific™ RadEye GN Gamma Neutron Pager

Ideal for law enforcement officers and first responders

Bright orange LED (gamma alarm) and bright blue LED (neutron alarms) are viewable from the front and above. Both LEDs flash on a reversed background when a dual gamma and neutron alarm is detected.
- LCD screen displays large numerals and clear radiation units and quick-view bar graph of current count-rate/dose-rate and alarm points, including optional floating sigma alarm point
- Pocket-sized instrument with very high neutron and gamma sensitivity
- Immediate classification of gamma source (NORM/non-NORM)
- Energy-compensated gamma dose rate
- Dual gamma/neutron display
- No false neutron alarms for even intense gamma sources
- Can be fitted with a Bluetooth™ (not included) to communicate to a PC or other networking devices
- Dimensions: 1.25 x 2.4 x 3.78" (3.2 x 6 x 9.6cm)
- Weight: 5.6 oz. (158.7g)

Requires: Two AAA batteries for 1000 hours of continuous operation

Includes: Removable rubber sleeve for extra protection and two AAA batteries

Description	Cat. No.
RadEye GN Gamma Neutron Pager	**17-821-820**

Thermo Scientific™ RadEye G Personal Dose Rate Meter

Features three user-selectable modes: detection (cps), level indication and dose rate

Rugged, handheld gamma survey meter for fast, reliable detection of gamma dose rate. Designed for high sensitivity to low gamma radiation detection in harsh environments.
- Menu-driven with an intuitive, easy-to-use format
- Incorporates a large, energy-compensated Geiger-Mueller tube for the precise dose rate measurement of gamma and X-ray
- Intelligent rate meter algorithm guarantees that even the smallest changes of dose rate are detected and random fluctuations suppressed
- Low-power technology components and fully automated self-checks result in minimum maintenance
- Equipped with large clear graphic display and audible/visible/vibrating alarms; earphone-output for silent alarming
- Dimensions: 1.25 x 2.4 x 3.78" (3.2 x 6 x 9.6cm)
- Weight: 5.6 oz. (158.7g)

Requires: Two AAA batteries for 1000 hours of continuous operation

Includes: Removable rubber sleeve for extra protection and two AAA batteries

Description	Cat. No.
RadEye G Personal Dose Rate Meter	**19-165-965**

Thermo Scientific™ RadHalo RDP Portable Spectroscopic Area Monitors

Identify radiation quickly and accurately, in any environment

The Thermo Scientific RadHalo RDP Portable Spectroscopic Area Monitor is designed for portability, rapid deployment, and autonomous operation. It is ideal for monitoring special events and radiological emergencies. Long 60 hour battery can be charged via AC mains or solar panel. Multiple wireless transmission methods insure instrument communications in nearly any scenario. Monitor and control unit remotely from PC or mobile device.
- Rapid dose rate response
- Immediate accurate identification
- Rugged design
- Autonomous operation anywhere
- Secure transmissions
- Detector Fusion Capable

Detector Type	Communication Details	Includes	Mfr. No.	Cat. No.
Spectroscopic Detector, 3x3in. NaI; Neutron Detector, CLYC	Wi-Fi, 2.4GHz long range radio and cellular reachback capabilty, satellite transceiver	AC battery charger/power adapter, 60+ hr Lithium battery, mobile device application, portable antennas for radio and cellular and PC browser for viewing data and controlling instrument	RH RDP-NS-R	**19-175-808**
Spectroscopic Detector, 3x3in. NaI; Neutron Detector, CLYC	Wi-Fi, 2.4GHz long range radio and cellular reachback capabilty	AC battery charger/power adapter, 60+ hr Lithium battery, mobile device application, portable antennas for radio and PC browser for viewing data and controlling instrument	RH RDP-N-R	**19-175-809**
Spectroscopic Detector, 3x3in. NaI	Wi-Fi, 2.4GHz long range radio and cellular reachback capabilty, satellite transceiver	AC battery charger/power adapter, 60+ hr Lithium battery, mobile device application, portable antennas for radio and PC browser for viewing data and controlling instrument	RH RDP-S-R	**19-175-810**
Spectroscopic Detector, 3x3in. NaI	Wi-Fi, 2.4GHz long range radio and cellular reachback capabilty	AC battery charger/power adapter, 60+ hr Lithium battery, mobile device application, portable antennas for radio and PC browser for viewing data and controlling instrument	RH RDP-R	**19-175-811**

Thermo Scientific™ RIIDEye™X Handheld Radiation Isotope Identifiers

Provide responders with real-time detection and identification — as well as location of radiation source

The next generation of tough, high-performance RIIDs, to withstand the harshest operating conditions. RIIDEye X providing the quickest identification for the fastest response - even under extreme conditions.

When it comes to radiation, it's critical to know the exact isotope and precise dose rate of the radioactive material to quickly initiate a plan of action.

The Thermo Scientific™ RIIDEye™ X Handheld Radiation Isotope Identifier does just that. Its patented Quadratic Compression Conversion (QCC) technology provides the industry's fastest, most accurate real-time gamma source and isotopic identifications. All of the data is displayed in an easy-to-read, full-spectrum color-coded interface, so you and your team can respond immediately. Whatever the scenario. Whatever the environment.

Rugged Design
- Rubber Shock Absorbers
- IP 65 rating
- Temperature shock resistant
- Withstands drops up to 1 meter
- Easily decontaminated

Oversized Display
- Generates clear, high-resolution readings, even in direct sunlight
- Intuitive Interface

Tactile compression enables gloved operation of control pad

Tested compliance to ANSI N42.34-2006 standard for handheld RIIDs
- Removable Memory Card

With built in automatic calibration, RIIDEye does not require regular factory calibrations

Description	Cat. No.
RIIDEye X-G Medium resolution gamma radiation detector with NaI	**19-175-702**
RIIDEye X-GN Medium resolution gamma and neutron radiation detector with NaI and CLYC neutron detector	**19-175-703**
RIIDEye X-H High resolution gamma radiation detector with LaBr (Lanthanum Bromide)	**19-175-704**
RIIDEye X-HN High resolution gamma and neutron radiation detector with LaBr and CLYC	**19-175-705**

Thermo Scientific™ TPM903B-KIT Transportable Radiation Monitor

Designed for rapid screening of personnel in the event of a radiation release

Accepts ambulatory or non-ambulatory persons and can be configured to accommodate vehicles.
- Adjustable alarm level, time and date, signal amplitude discrimination level, resetting of occupancy sensor and detector variance test
- Lightweight and mobile to facilitate transport to site
- Provides early warning of hot spots on protective clothing
- Offers very sensitive, highly uniform responses to gamma radiation
- Installs within seconds; self-testing completes in two seconds and background is acquired in 20 seconds

Includes: Includes rugged transportation/ storage case (BS7134)

Description	Cat. No.
Transportable Portal Monitor detects FEMA required 1 µCi in a "walk thru" mode using two 72" x 3" x 1.5" lead-shielded PVT scintillation detectors and a two channel programmable controller	**19-165-946**

Thermo Scientific™ PackEye Radiation Detection Backpack

Locates and detects gamma-emitting radioactive sources in large areas very rapidly, yet unobtrusively

Provides survey teams with a high-sensitivity detector to locate radioactive sources, orphaned sources and radiological contamination.
- Natural Background Rejection (NBR) has rapid response time and discriminates between Naturally Occurring Radioactive Material (NORM) and artificial sources
- Automatic adjustment to background variations
- No false alarms on NORM and natural background changes
- User friendly, simple LED status indication
- Low power consumption — operation time up to 70 hours
- Can be tied into the ViewPoint™ Enterprise platform, enabling a customizable remote monitoring solution which will provide real-time command and control data
- Display recognizes excess of high energy radiation
- Acoustic or LED bar indicator alarm; can provide a stealth mode using standard ear-phone
- Remote indication of alarm via wireless vibrator modules available

Includes: FHT 1377-GN2 PackEye, Gamma Neutron Radiation Search Device, incl. 1 ea. NBR-Detector, 2 ea. FLAT PANEL neutron detector (He-3 free), display and control module, earphone, spare rechargeable battery pack, charger, approx. 7.5 kg (16.5 lbs)

Description	Cat. No.
PackEye Radiation Detector Backpack	**19-175-638**
Packeye PDA; Includes: Windows Mobile PDA with preinstalled software, plug-and-play CSA RS232/Bluetooth adapter for the Packeye	**19-175-639**

Federal Govt. Sales: 1-800-226-4732   State and Local Govt. Sales: 1-888-263-5319   Fax: 1-866-897-9946

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Thermo Scientific™ FirstDefender™ RMX Handheld Chemical Identification Detector

Uses Raman spectroscopy to quickly identify unknown solid and liquid chemicals down range

- Sophisticated chemometric algorithms automatically determine presence of mixed and contaminated chemicals
- Flexible modes — offers handheld use with fixed probe or vial, or easily connects to a tactical robot through integrated RS232 port for universal control
- Designed for use down range with a tough form factor, quick decontamination and easy operation in bulky protective gear
- Lightweight, ergonomically designed for easy transport down range
- Point-and-shoot sampling offers improved operation through sealed translucent containers; avoids exposure and maintains evidence
- Easy-to-navigate vast substance library includes explosives, toxic industrial chemicals, chemical warfare agents, narcotics, precursors, white powders and more
- Easy to use and maintain with a menu-driven user interface that requires minimal training and no scheduled maintenance or calibration
- Can be powered using the included rechargeable battery, wall adapter or SureFire* disposable batteries
- Noncontact analysis requires no consumables
- Dimensions: 7.7 x 4.5 x 2.4" (19.5 x 11.4 x 6cm)
- Weight: 2 lb. (907g)

17-720-414

Description	Cat. No.
FirstDefender RMX with 1-year warranty and support	**17-720-414**
FirstDefender RMX/TruDefender FTX Combo Kit	**18-001-133**

Thermo Scientific™ TruDefender™ FTX Handheld FTIR Analyzer

Field-proven, rugged FTIR with improved sampling capability

- Fast, accurate identification — returns results in seconds, even for complex mixtures
- Lightweight, rugged and water- sealed design — no friction points or crevasses to trap debris or explosive residue
- Variable pressure anvil sampling capability and DecisionEngine mixture analysis software
- Easy-to-use, intuitive, menu-driven interface allows fast training and proficiency
- Large sampling surface and fully rotational anvil for easy sample placement
- Small, lightweight military-rugged FTIR spectrometer is ideal for field use
- Easy-to-clean with contoured edges and self-contained anvil mechanism ensure easy decontamination
- No scheduled maintenance, calibration, warm-up or alignment required
- Can be powered using the included rechargeable battery, wall adapter or SureFire™ disposable batteries
- Dimensions: 8.9 x 4.5 x 2.1" (22.6 x 11.4 x 5.3cm)
- Weight: 3.2 lb. (1.4kg)

17-730-201

Description	Cat. No.
TruDefender FTX with 1-year warranty and support	**17-730-201**
TruDefender FTX/FirstDefender RMX Combo Kit	**18-001-133**

Thermo Scientific™ TruNarc™ Handheld Narcotics Identification System

Allows narcotics, customs, border patrol and law enforcement personnel to scan a sample for multiple narcotics in one test

- Uses Raman spectroscopy to rapidly and accurately identify suspected narcotics without direct contact for most samples
- A single test can identify numerous controlled substances including stimulants, depressants, hallucinogens, analgesics and emerging threats such as synthetic cathinones, cannabinoids and NBOMes as well as cutting agents and precursors
- Easy-to-use, intuitive, menu-driven interface enables fast operator training and proficiency
- Non-contact sampling allows scanning directly through plastic or glass to minimize contamination, reduce exposure and preserve evidence
- Automated records capture all scan results, including time and date stamp and self-check results to help expedite prosecution
- Export data formats include CSV, Microsoft Excel™, SPC and PDF
- Can be powered using the included rechargeable internal 3.7V battery pack (10 hours), DC wall adapter or car charger
- Dimensions: 6.4 x 4.1 x 2" (16.2 x 10.4 x 5.1cm)
- Weight: 1.25 lb. (566g)

17-730-100

Description	Cat. No.
TruNarc with 1-year warranty and unlimited scans	**17-730-100**

Thermo Scientific™ Gemini™ Handheld Integrated Raman and FTIR Analyzer

Combines two leading chemical identification capabilities in a rugged, compact instrument

- Leverages Raman and FTIR technology to address broad range of samples
- Identifies unknown solids and liquids, from explosives and chemical warfare agents to industrial chemicals and precursors using a comprehensive onboard library
- Minimize time on target with lightweight, compact form factor that is MIL-STD 810G certified
- Includes a motorized anvil which adjusts sample pressure based on user settings
- Features Raman and FTIR Scan Delay
- Guides operator through technology selection and sampling with Scan Assist
- Customizable Profiles allow operator to set scan parameters based on sample, scenario and situational awareness
- No scheduled maintenance or calibration required
- Can be powered using the included rechargeable battery, wall adapter or SureFire* disposable batteries
- Dimensions: 10.1 x 5.7 x 2.4" (25.6 x 14.6 x 6.1 cm)
- Weight: 4.2 lb (1.9kg)

Description	Cat. No.
Gemini S1 with 1-year warranty and support	**18-001-140**

MSA™ ALTAIR™ 4X Multigas Detector

Driven by MSA X-Cell™ sensors technology for longer life and higher performance

- Dependable multigas detector tests for LEL, O_2, CO and H_2S
- 24-hour continuous run time
- Embedded microelectronics provide greater stability and performance; each sensor has its own microprocessor and digital output
- Large buttons and high-contrast screen for easy operation in low-light conditions
- Ribbed rubber housing provides secure grip and high durability survives 20' drop test and submersion in water
- Features 95+ db alarm and ultra-bright LEDs
- MotionAlert™ warning activates if unit does not detect motion for 30 seconds
- InstantAlert™ feature allows users to manually alert others to a potentially hazardous situation
- Galaxy™ system compatible for calibration and record keeping
- QuickCheck™ Test Station for fast, easy bump testing available (sold separately)
- Datalogging and MSA Link™ software ready

Certifications: IP67 rated. Approvals: Class I, Division 1, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III, Division 1

Warranty: Three years

Sensors	Cat. No.
LEL, O_2, H_2S, CO	**19-100-810**

MSA™ ALTAIR™ 5X Multigas Detector

Ideal for confined space monitoring

- Sensor response and clear times under 15 seconds for most common sensor configurations
- End-of-sensor life warning provides advanced notice to user, reducing service outages
- MotionAlert™ activates if user becomes disabled and motionless and provides user's location
- InstantAlert™ enables users to manually alert others to potentially hazardous situations
- Span calibration time of 60 seconds for most common sensor configurations
- Robust integral pump for consistent flow without externally attached components
- 18 language options
- Durable, rubberized housing for secure grip
- Lithium-ion battery lasts up to 20 hours
- Fully compatible with Galaxy™ Automated Test System and MSA Link™ software

Includes: Detector with high-contrast color display includes integral pump, 10' sampling line and 1' probe

Compliance: IP67 rated. Approvals: Class I, Division 1, Groups A, B, C and D; Class II Division 1 Groups E, F and G; Class III Division 1

Warranty: Three years

Sensors	Cat. No.
LEL, O_2, H_2S, CO	**17-200-066**

HCN Sensor option and configured detectors are available, please contact your Fisher Scientific Sales representative for more information

Federal Govt. Sales: 1-800-226-4732   State and Local Govt. Sales: 1-888-263-5319   Fax: 1-866-897-9946

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Dräger™ Civil Defense/HazMat Simultest Test Kits

For immediate, accurate and simultaneous detection of chemical warfare agents and toxic chemicals

Provide firefighters, hazmat teams and environmental agencies with critical, on-the-spot information in less than five minutes.

- No calibration or warm-up time
- Minimal training required
- Wider detection range than portable PID and FID detectors
- No power supply required for manual pump
- No calibration required
- No filters to replace

CDS Kit includes:
- CDS Set I (5)
- CDS Set V (5)
- Accuro™ hand pumps (2)
- Simultest extension hoses (2)
- Simultest set openers (2)
- Spare parts kit (1)
- Carrying case (1)

CDS/HazMat Kit includes :
- CDS Set I (3)
- CDS Set V (3)
- Hazmat Simultest Set I (3)
- HazMat Simultest Set II (3)
- HazMat Simultest Set III (3)
- Accuro hand pump (2)
- SumulTest set extension hoses (2)
- Simultest set openers (2)
- Spare parts kit (1)
- Carrying case (1)

19-038-865

Description	Cat. No.
CDS Kit	**19-038-865**
CDS/HazMat Kit	**19-120-1140**

Test Kit	Gases or Agents Detected
CDS Set I	Hydrocyanic acid, Phosgene, Organic Arsenic Compounds (Lewisite), Arsine, Organic Basic Nitrogen Compounds (N-Mustard), Thioether (S-Mustard)
CDS Set V	Phosphoric acid esters (Nerve Agents), Phosgene, Cyanogen chloride, Chlorine, Thioether (S-Mustard)
HazMat Set I	Acid gases (Hydrochloric acid), Basic gas (Ammonia), Carbon monoxide, Hydrocyanic acid, Nitrous gas (Nitrogen dioxide)
HazMat Set II	Carbon dioxide, Chlorine, Hydrogen sulfide, Phosgene, Sulfur dioxide
HazMat Set III	Alcohols (Methanol), Aliphatic hydrocarbons (n-hexane), Aromatic hydrocarbons (Toluene), Chlorinated hydrocarbons (Perchloroethylene), Ketones (Acetone)

Dräger™ Short-Term Detector Tubes

For measuring concentrations of specific contaminants instantaneously

17-985-241

- Tubes are filled with an inert reagent carrier material (silica gel, aluminum oxide or aluminum silicate) impregnated with an indicating reagent
- Reagent produces a colorimetric indication in the presence of a particular gas, vapor or aerosol
- Concentrations can be read directly from the color change on the tube's printed scale
- Tubes are hermetically sealed; most have a two-year shelf life (when stored at room temperature)
- More than 200 tubes available to make spot measurement for over 500 gases and vapors. Contact your Fisher Scientific Sales Representative for ordering information and availability for tubes not listed below.

Gas/Vapor to Be Measured	Dräger Tube to Be Used	Tubes/Pack	Measurement Range	Cat. No.
Acetone	Acetone 100/b	10	100–12,000ppm	**17-985-173**
Carbon monoxide	Carbon monoxide 10/b[2]	10	10–3000ppm	**17-985-201**
Ethyl acetate	Ethyl acetate 200/a	10	200–3000ppm	**17-985-223**
Hydrocarbons	Hydrocarbons	10	2–24mg/L	**17-985-239**
Hydrochloric acid	Hydrochloric acid 1/a	10	1–10ppm	**17-985-240**
Hydrochloric acid	Hydrochloric acid 50/a	10	50–5000ppm	**17-985-241**
Hydrogen fluoride	Hydrogen fluoride 0.5/a	10	0.5–90ppm	**19-046-630**
Hydrogen sulfide	Hydrogen sulfide 2/a	10	2–200ppm	**17-985-247**
Phosgene	Phosgene 0.25/c	10	0.25–15ppm	**17-985-289**
Phosphoric acid esters	Phosphoric acid esters 0.05/a	10	Up to 0.05ppm	**17-985-294**

For more Drager detector tube options, please visit www.fishersci.com

Email: CSO.CAT@thermofisher.com   Website: www.fishersci.com/FirstResponder

Fisher Scientific

Power-Hawk™ P-16 Electric Rescue Systems Kits

All electric "jaws-type" systems operate completely without hydraulics for exceptional versatility and power

19-817-192

- Lightweight and compact for portability and ease of use
- No set-up necessary for rapid response
- Safe for indoor/outdoor use — runs in O_2 depleted atmosphere
- Interchangeable spreaders and cutters
- Simultaneously operate accessories
- Ambidextrous controls; color-coded for enhanced safety
- Patented 70° swivel-head for around-the-corner purchase points
- Operates quietly and requires little maintenance
- Approved through the U.S. Navy Non-Developmental Items Program
- P-16 Rescue Tool, Power Pack and Power Pusher Rams are UL™ certified compliant to NFPA 1936
- **DC-1 Damage Control Kit** replaces PHARS (Portable Hydraulic Access and Rescue Set) on U.S. Navy ships
- **SH-1 Super Hornet Kit** provides U.S. Navy Flight Deck crews with rapid response cutting and spreading capabilities for access into aircraft

Description	Cat. No.
Damage Control Kit	**19-817-192**
Super Hornet Kit	**19-130-5320**

Kit Components	Damage Control Kit	Super Hornet Kit
P-16 Rescue Tool	1	1
Attachment Pin Set	1	1
Power Cable, 13'	1	1
Controller Unit	1	1
Power Packs, 12VDC	2	2
Jumper Cables, 16'	1	1
Battery Charger	1	1
Spreader Arms (opens to 14")	1	1
Curved-Blade Cutter (opens to 5")	1	1
Straight-Blade Cutter	1	1
Power Push Ram (extends to 27")	1	—
Power Push Ram (extends to 41")	1	—
24" Ram Extension	2	—
48" Ram Extension	2	—
Ram Couplings	2	—
Ram Swivel Set	1	—
Floodlight, 12VDC	1	—
Extension Cable, 16'	1	—
Back Pack (holds Power Pack and Controller Unit)	1	—
Sawzall™ Extrication Kit (Includes 18VDC cordless Sawzall, power adapter, extension cable, five torch blades, one ax blade and carrying bag)	1	1

Tele-Lite™ Honda™ Portable Economy Generator

Powerful Honda commercial iGX390 engine and a heavy-duty frame

- 5000w (41.7/20.8A) 120/240V automatic regulated power
- Honda-exclusive iAVR (intelligent auto voltage regulation)
- Provides 7000w for 10 seconds to start larger equipment
- Runs about 11.2 hrs at 50% load (6.2 gal.)
- Voltage Selector Switch: 120/240V operation
- All circuits G.F.C.I. protected
- Six duplex outlets for easy connection of multiple tools
- Auto throttle
- Full frame protection
- Low 72 dBA sound level
- Wheel kit standard with positive lock folding handles
- Hanger kit/lifting eye standard
- Protected by Honda Oil Alert™
- USDA-qualifed spark arrestor/muffler
- Noise Level: 72 dB at rated load

Mfr. No.	Cat. No.
EB-5000XK3	**19-120-2684**

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We provide creative, competitive and comprehensive financial solutions for capital purchase needs.
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Thermo Fisher Financial can help ensure that responders can purchase the equipment they need, when they need it so they can protect what matters most. For additional information, contact your Fisher Scientific Sales Representative.

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Streamlight™ Survivor™ LED Flashlight

Design is ideal for fire and emergency services and law enforcement

- Right-angle light features C4™ LED technology with 50,000-hour lifetime
- Rugged, safety-orange nylon body passes 30' (9.1m) drop test
- Microprocessor-controlled high- and low-intensity modes, emergency flash and moonlight mode
- Spring-loaded clip with built-in ring attaches easily to belts and harnesses
- All openings are O-ring sealed for weather resistance
- Rubber dome push button actuator provides easy ON/OFF — even when wearing heavy gloves
- IPX4 rated design
- Light output: High — 36,000 candela (140 lumens); Low — 12,000 candela (47 lumens)
- Rechargeable 4.8V nickel-cadmium battery (included) for up to 13 hours of run time (dependent on mode selected)
- Dimensions: 7.06H x 2.85W x 2.87"D (17.9 x 7.2 x 7.3 cm)
- Weight (with batteries): 17.9 oz. (508g)

Certifications: UL™ listed — Class I, Division I, Groups C and D; Class I, Division 2, Groups A, B, C, D; Class II, Division 2 Group F and G; Class III

Compliance: Meets NFPA 1901, 2003 edition, mounted in any position

Description	Cat. No.
Streamlight Survivor LED Flashlight	**19-165-616**

Streamlight™ Fire Vulcan™ LED Rechargeable Lantern

Long-life LEDs won't burn out

- High-impact ABS thermoplastic housing with rubberized cushioned-grip handle
- LED solid-state circuitry provides regulated light output throughout battery life
- Push and hold momentary toggle switch to access eight modes of operation for flexibility in various emergency situations
- Deep-dish parabolic reflector produces a tight beam with optimum peripheral illumination to aid in navigation; optimized electronics provide regulated intensity
- IPX7-rated design (1 meter for 30 minutes) — lantern floats
- C4™ LED technology, impervious to shock with 50,000 hr. lifetime
- Two ultrabright blue LED tail lights ensure user can be seen from any direction — even in thick smoke
- Light output: High — 80,000 candela peak beam intensity (145 lumens); Low — 40,000 candela peak beam intensity (70 lumens)
- Powered by two lithium-ion batteries; recharge in five hours
- Provides from 3 to 20 hours of operation (dependent on mode selected)
- Dimensions: 7.5L x 5W x 6.5"H (19 x 12.7 x 16.5cm)
- Weight (with batteries): 29.6 oz. (839g)

Certifications: UL™ Listed — Class I Division 2 Groups A, B, C, D. Class II Division 2 Groups F, G. Class III

Compliance: Meets NFPA 1901, 2003 edition, mounted in any position

Description	Cat. No.
Streamlight Fire Vulcan Lantern	**19-822-500**

Fisherbrand™ Chemical Yellow Absorbent Pad

Color-coded for easy identification of different types of spills and hazards

- Pad, Absorbent
- FisherBrand
- Chemical
- Yellow
- Polypropylene
- 3-Ply
- Fire resistant
- **Length:** 48.2cm (19 in.)
- **Width:** 38.1cm (15 in.)
- **Absorbency:** Heavy
- **Capacity:** 83.2L (22 gal.)
- **Absorbency factor:** 18 gl/gs
- 100/Cs

Specifications	
Quantity	100/Cs.
Absorbancy	Heavy
Color	Yellow
Capacity (English)	22 gal.
Capacity (Metric)	83.2L
Length (Metric)	48.2cm
Length (English)	19 in.
Product Type	Chemical Yellow Absorbent Pad
Material	Polypropylene
Width (English)	15 in.
Width (Metric)	38.1cm
Dimensions (L x W)	48.2 x 38.1cm (19 x 15 in.)

Description	Cat. No.
Fisherbrand™ Chemical Yellow Absorbent Pad	**19-140-918**

CMC Rescue™ Fire-Rescue Harness

With new fall arrest indicator and work-positioning side D-rings

- Consists of multiple D-ring attachment points
- JackBack™ removable padding with breathable D3 cloth keeps shoulder straps separated for easy donning
- Dorsal D-ring allows adjustment and comfort for different size rescuers by staying in place when loaded
- Front waist D-ring allows comfortable, stable sitting position for rappels
- Sternum D-ring works well for helicopter hoists, tower climbing and limited fall protection
- Gear loops for quick access to equipment
- Quick-connect shoulder straps and leg loops make simple and fast donning of harness
- Web-Keepers™ secures loose ends of the web
- Pads on the leg loops can be adjusted
- Front lift assembly accepts screw links for adding chest ascender or safety lanyards
- Fall arrest indicator is located at the back of the harness
- Mostly used by fire department rescue teams, USAR teams, helicopter crews and wilderness SAR teams

Certification: UL Listed to NFPA 1983 – Class III and ANSI™ Z359.1.

Specifications	
For Use With (Application)	Use for fire rescue
Length (English)	34 to 46 in.
Length (Metric)	86 to 117cm
Size	Large; X-Large
Weight (English)	4 lb.

Description	Cat. No.
CMC Rescue™ Fire-Rescue Harness	**19-808-406**

CMC Rescue™ Sked™ Stretcher Rescue System

Compact storage with ease of use and flexible in the mode of transport

- Heavy sheet of plastic construction makes the stretcher rigid when folded around the patient
- Variety of handles and straps allows the stretcher to be transported or towed with stretcher sliding on the smooth bottom surface
- Stretcher can be carryied, lifted (vertically or horizontally) by rope systems or helicopter
- Useful in fire departments, rescue squads, military, and ski patrols

Specifications	
Color	Orange
Kit Includes	Variety of handles and straps for transportation
Product Type	Stretcher rescue system
Material	Plastic
Weight (Metric)	8.2kg
Weight (English)	18 lb.

Description	Cat. No.
CMC Rescue™ Sked™ Stretcher Rescue System	**198-08-620**

Niedner™ XL-800™ Double-Jacketed Hose

Ideal for high-rise packs and attack

Lightweight, double-jacketed hose is made of 100% circular-woven polyester lined with TPU elastomer with a service test pressure of 400psig. ENCAP™ elastomer-treated outer jacket improves durability — reduces water absorption up to 40% while providing enhanced chemical resistance. Compact design is ideal for high-rise packs — handles easily and packs tightly. Oversized waterway maximizes flow and minimizes friction loss. Hose remains flexible from -60° to 150°F.

Minimum Burst Test Pressure: 600psig
Color: Yellow
Length: 50' (15.2m)
Coupling: Aluminum NPSH
Certification: Meets or exceeds NFPA 1961 and Federal Specification ZZ-H-451 for fire hose.

Size	Bowl Size	Weight/50'	Coil Dia./50'	Cat. No.
1½"	1-15/16"	10.5 lb.	15"	**11-654-716**
2½"	3"	18 lb.	16"	**11-654-701**

Kidde™ Portable Hose Line FireTrainer™ O-100

Reliable, convenient and economical outdoor fire training

The Hose Line FireTrainer O-100 is a convenient means of training students in the basic firefighting skills. The trainer can be used as a standalone burn pan to replicate fuel spill or ground fires in addition to several other types of fire scenarios. It provides hot, challenging fires to train both new recruits and seasoned firefighters.

- Can be used as a standalone training tool to replicate fuel spill or ground fires in addition to several other types of fire scenarios
- Independent constant pilot flame guarantees each fire ignites on command
- Main flame control
- Hand-held operator/instructor "deadman" button on the control instantly stops fire and ensures safety during training exercises
- Completely portable unit that can be setup and operated by one person
- Fueled by clean burning propane
- Stainless-steel construction
- Low set-up and clean-up, more training time
- Weight: approximately 200 lbs.
- Power: 110VAC.
- Fire output: 65,000,000 btu/hr (20 MW)

Compliance: FireTrainer O-100 Plus meets NFPA 1001 training requirements.

Warranty: One year on parts.

Includes: 50 ft. AC power cable.

Description	Mfr. No.	Cat. No.
Hose Line Trainer	0-100	**19-139-613**
Self Contained Transport Trailers	0-100-CTR	**19-139-615**
Split Flange Pipe	0-100-SFL	**19-139-623**
Flame Bar Kit	0-100-FBK	**19-139-626**
Multi-Controller	0-100-MULTI	**19-139-629**
Wireless Controls (0-100)	0-100-WLESS	**19-139-630**
Commercial Dumpster	0-100-DUMP	**19-139-620**
Hoseline Trainer Pan Only	0-100 PANONLY	**19-139-415**

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Fisher Scientific Safety Service

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Calibration and repair services for gas detectors and thermal imaging cameras.

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Pressure test to ASTM F1054.

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Factory recommended/required regulatory inspections with documented results; minor repairs and adjustments; cleaning and sanitizing

Fit Testing
Qualitative or quantitative.

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Flow testing; overhauls; upgrades; installation of communication systems for Scott and Dräger SCBAs
MSA (Industrial and Military SCBAs only)

Air Cylinders
DOT hydrostatic testing; valve overhauls and repairs

Compressors
Annual maintenance, repairs (leaks, electrical systems, upgrades), new compressor start-up programs, air testing, and warranty repairs for Scott

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It's not enough to have the right safety equipment—you also need to keep that equipment in the best operating condition possible to promote and maintain your long-term safety goals. Whether you're maintaining equipment for a large industrial facility, a military installation, or a fire department, Fisher Scientific Safety Service has a program to fit your needs.

- **Service Offering**. We provide a wide range of services for SCBAs, compressors, and gas detectors, as well as a full suite of testing, inspection, and assessment services.
- **Expertise**. Our technicians are factory-trained and certified by leading manufacturers and average over 12-years service experience.
- **Coverage**. We provide broad coverage with our mobile service capabilities. Our onsite service significantly reduces your downtime.
- **Multi-Vendor Support**. We are certified to perform service according to manufacturer specifications for Scott, MSA, Dräger, Sperian, Rae Systems, and others.
- **Compliance**. We can help you meet the latest OSHA, NIOSH, ANSI and NFPA compliance standards.
- **On-site hydrostatic test** of your SCBA cylinders
    – We come to your location and perform hydrostatic testing with our mobile hydro test trailers
- **Reduce downtime** of your equipment by having testing completed on-site
- **Streamline your maintenance** scheduling as all of your cylinders can be tested in one trip making future testing easy to schedule and complete

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