

HOMELAND SECURITY CATALOG

PERSONAL PROTECTION FOR FIRST RESPONDERS

COMMUNICATIONS

AIR-SUPPLIED

AIR-PURIFYING

THERMAL IMAGING

tyco / **SCOTT**[®]
HEALTH & SAFETY



TRANSFORMING AN INDUSTRY... BY DESIGN

WHAT ELSE WOULD YOU EXPECT FROM THE LEADER IN RESPIRATORY PROTECTION

Continuing A Proud Tradition

Recognized as a world leader in respiratory protection equipment since 1945, Scott has a proud tradition of providing rugged, high performance, life support equipment for the firefighting, domestic preparedness and industrial markets.

The legendary Scott Air-Pak® has been synonymous with the latest advances in respiratory protection. Today, Scott continues that tradition with the development of even more technologically advanced products. Innovations like Tactile Feel End of Service Indicators (EDST), high performance, lightweight SCBA's, fully integrated personal alert systems, mask mounted regulators, high pressure cylinders, Top-Down Convertibility™, the C 420 PAPR, advanced communications and Thermal Imaging cameras have positioned Scott as a world leader in the health & safety arena.

Scott, through its commitment to world class manufacturing, continues to introduce state-of-the-art equipment providing its customers with products that meet or exceed the highest possible standards of technology and reliability. Utilizing three manufacturing locations and a world wide distribution and service network, Scott can rapidly provide products which are responsive to the specific needs of its customers.

The result is a full line of high-performance products engineered to offer maximum protection against weapons of mass destruction. The following products: the Air-Pak Fifty™ CBRN SCBA and the tactical SCBA known as the SWAT-PAK™, the C 420 PAPR, radio communications and thermal imaging cameras were developed to fulfill specific user requirements. Whether it's supplied air, air-purifying or electronic communications support equipment, Scott can prepare you today for whatever tomorrow's challenges may bring.

Responding To The Threat

Terrorism is not a new phenomenon. Recent tragic events such as the 9/11 World Trade Center and Pentagon Attacks; the 1993 bombing of the New York City World Trade Center; the 1995 bombing of the Murrah Federal Building in Oklahoma City; the bombing of Khobar Towers in Saudi Arabia; Aum Shinrikyo Sarin release in the Tokyo Subway; the bombing of U.S. Embassies in Kenya and Tanzania or that of the USS Cole all serve to highlight the actual and potential devastation that these acts can and do yield.

In the present we find ourselves confronted with the expanding threat of mass casualty terrorism by the utilization of what has been called "Weapons of Mass Effect." With the introduction of Chemical, Biological, Radiological and Nuclear weapons against unprotected populations, the complexities of response for today's law enforcement, fire service and EMS personnel have exponentially expanded. The significance of lethality and disruption that these threats pose are great. When combined with the requirement for the safest and most effective response by emergency response organizations this conundrum becomes one that requires immediate and coordinated efforts and reliable life saving equipment to protect the public and the responders who will be called upon to be "America's First Line of Defense," the first responders across the United States.

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SCOTT'S COLOR KEY

Products in this catalog have been grouped into categories designated by the color codes shown below. To locate a specific product, use the table of contents to the left or the color-coded tabs on the pages that follow.

AIR-SUPPLIED

AIR-PURIFYING

ACCESSORIES

COMMUNICATIONS

THERMAL IMAGING

TOP-DOWN CONVERTIBILITY™

THE TOTAL SOLUTION FOR ALL YOUR RESPIRATORY NEEDS



Homeland Security Products

Scott's family of products incorporates a platform design approach, which allows for a dramatic increase in versatility and compatibility with the entire Scott product line. This design concept helps those first responders whose respiratory protection needs extend beyond SCBA's to other air-supplied or air-purifying products.

Key to the Scott family of products is the advanced AV-2000® facepiece. One facepiece. One fit test. That's all it takes. The AV-2000 is interchangeable with Scott's full-line of SCBA, air-supplied respirators and air-purifying respirators, as well as Scott's communications products, giving users a solid, practical reason to choose Scott.

Only Scott's AV-2000 facepiece allows you to customize your personal protection based on the environment in which you work. The AV-2000 provides true "Top-Down Convertibility™," giving you the options you want and the protection you need. The AV-2000 is versatile and adapts easily to hazardous situations requiring various levels of respiratory protection.

The AV-2000 minimizes equipment inventories and simplifies the complexities of user training when employed as a personal issue facepiece. Because of its versatility, the AV-2000 can dramatically reduce redundant facepiece fit tests for users faced with hazardous situations requiring SCBA, air-supplied or air-purifying respiratory protection.

SCOTT FULL FACEPIECES

DESIGNED FOR ADVANCED COMFORT AND IMPROVED FIT

AV-2000® Facepiece

- Totally interchangeable with Scott's full line of air-supplied, air-purifying and communications products
- Tested as a respirator assembly to meet the requirements of NIOSH's CBRN SCBA and CBRN full facepiece APR standards at U.S. Army Soldier and Biological Chemical Command (SBC COM)
- Includes a "double lip" design that provides positive pressure to the seal
- Includes a wider, softer design that improves user comfort
- Includes a thicker seal lip that adds strength to the seal structure
- Includes a broader, deeper chin cup that allows greater contact
- Available head harnesses include Kevlar®, polyester and rubber
- Other sizes available including small, large and x-large



AV-2000 Ordering Information	
Part Number	Description
804069-08	AV-2000, Comfort Seal™ w/ Polyester Head Harness
804191-08	AV-2000, Comfort Seal w/ Kevlar Head Harness
805257-08	AV-2000, Comfort Seal w/ 4-pt. Rubber Head Harness

AV/NBC SHROUD™

PROTECTIVE HOOD FOR CBRN ENVIRONMENTS

AV/NBC Shroud

- Resistant to permeation of CBRN agents, tear gases, gases, vapors, liquid sprays and particulates
- Butyl-coated nylon cloth with closed cell foam on butyl face blank seal
- Snap on design, reusable and low maintenance
- Form fitting design covers head, neck and upper shoulders
- Indefinite shelf life
- Designed to military specifications and standards
- NIOSH approved as an accessory for Scott full facepieces
- Live chemical agent tested against mustard gas and Sarin vapor; meets Mil-Spec requirements



AV/NBC Shroud Ordering Information	
Part Number	Description
805514-01	AV/NBC Shroud Protective Hood Only
805289-04	AV/NBC Shroud Protective Hood w/ Installation Kit
200078-08	AV/NBC Shroud Installed on AV-2000, Kevlar Harness with Comfort Seal
200078-28	AV/NBC Shroud Installed on AV-2000, Rubber Harness with Comfort Seal

AIR-PAK® FIFTY™ SCBA

HIGH PERFORMANCE PROTECTION YOU CAN

The #1 Choice of Firefighters

More than 60% of all U.S. fire departments rely on the Scott Air-Pak Fifty SCBA every day. Among America's eleven largest fire departments, 82% choose Scott. At home and around the world, those who depend on the reliable, easy-breathing respiratory protection of Scott's Air-Pak SCBA think it is the best performing breathing apparatus on the market.

Continuing a Proud Tradition

This Air-Pak Fifty has earned the confidence of SCBA users with its record of reliable performance and rugged dependability. The Air-Pak Fifty is an SCBA developed with extensive input from firefighters, first responders and industrial users. Based on their recommendations, the Air-Pak Fifty offers enhanced design and technical features built around proven Scott performance characteristics. The Air-Pak Fifty maintains the time-tested operating systems which have given users the easy-breathing SCBA performance they have learned to rely on time and time again for dependable respiratory protection.

Chemical, Biological, Radiological and Nuclear (CBRN) Agent Protection

Today's first responders need uncompromised protection that's why Scott sought and received NIOSH CBRN SCBA approval on the Air-Pak Fifty — on all pressures of our NFPA 1981, 2002 Edition compliant SCBAs. And, we are proud to offer the most reliable and economical solution to upgrading field deployed SCBAs to NIOSH CBRN standards. The Air-Pak Fifty provides reliable respiratory protection against maximum credible threat concentrations of CBRN agents, part of the stringent certification requirements of NIOSH's CBRN standard for open-circuit, pressure-demand SCBAs. The Air-Pak Fifty successfully completed stringent 6-hour duration permeation/penetration tests against distilled sulfur mustard (HD) liquid and vapor and Sarin (GB) vapor.

Easy to Breathe

The Scott breathing circuit responds rapidly and efficiently to the user's demand for air, making it easier to breathe, especially during periods of peak physical activity. From first-breath activation, Scott offers an SCBA with outstanding breathing performance and an air flow that exceeds NFPA requirements.

Ready, Set, Breathe

An air-saver switch, angled for easy operation with a gloved hand, stops the free flow of air during donning and doffing. Offering the user the advantage of placing the SCBA in a stand-by mode with an activated cylinder. That means the user can be suited up and ready for action without spending cylinder air.

The regulator's quick-don mounting system has a 20-year track record of proven performance. A positive-locking mount is assured with a quick quarter turn of the regulator that prevents it from being accidentally knocked loose. Simplicity is assured because the regulator automatically activates the flow of air with the user's first breath. Air entering the facepiece is directed over the lens to prevent fogging.

& CBRN SCBA

COUNT ON



Cylinder Options

The Air-Pak® Fifty™ is available in 2216, 3000 or 4500 psi models. Choose from the latest in cylinder materials including carbon fiber, the lightest cylinder available, and aluminum. Cylinders are available in 30-, 45- or 60-minute rated durations.

Lightweight and Comfortable

Firefighting, search and rescue or entries into Immediately Dangerous to Life and Health (IDLH) environments can be intense and physically demanding work. So, too, is the fight against weapons of mass destruction. That's why Scott offers a lightweight SCBA package promoting comfort and user-friendly convenience. Our unique one-piece backframe is constructed of lightweight, durable, time-tested aluminum alloy. It follows the contour of the back and places the bulk of the SCBA's weight on the hips, where padded wrap-around wings provide comfortable support. Wide-bodied pads further distribute weight along the shoulders and hips. Harness-mounted, retro-reflective front patches enhance night-time visibility of the user.

Faster, Easier Cylinder Changes

A double-locking latch and durable Kevlar® fabric band permit efficient cylinder changes. Simple adjustment of a cam-over-center slide permits the accommodation of 30-, 45- or 60-minute duration cylinders.

Quick Take-up and Quick Release

Parachute-style or optional alligator clip harness fasteners permit smooth, efficient adjustment. While securely retaining the shoulder straps, the fasteners minimize harness wear and tear, even with frequent use. Quick doffing is assured because the over-sized fasteners are easily manipulated with gloved hands. A one-finger release disengages the waist belt buckle.

BREATHE EASY WITH THE E-Z FLO® REGULATOR

The E-Z Flo regulator is a pressure-demand system that out-performs all other SCBA regulators in performance and simplicity. While maintaining a slightly positive pressure in the facepiece, the E-Z Flo delivers as much as 160 LPM when compared to the NFPA minimum of 100 LPM. It is capable of a peak flow of 500 LPM. This superior performance is based on a design that significantly reduces inhalation and exhalation resistance to minimize user fatigue.

Air-Pak Fifty CBRN Approved With Parachute Style Hardware** Ordering Information

Part Number	Description of Product	Standard w/Case	Standard w/o Case	w/Quick Connect and case	w/Quick Connect w/o case	w/EBSS and Case	w/EBSS w/o Case	Weight* in lbs	Weight* in kgs
804484-XXXX	Air-Pak Fifty 2.2, Aluminum Cylinder	-0103	-0203	-0303	-0403	-0503	-0603	30.5	13.8
804849-XXXX	Air-Pak Fifty 2.2, Carbon Cylinder	-0103	-0203	-0303	-0403	-0503	-0603	18.9	8.6
804846-XXXX	Air-Pak Fifty 4.5, 30 Min. Carbon Cylinder	-0103	-0203	-0303	-0403	-0503	-0603	18.9	8.6
804847-XXXX	Air-Pak Fifty 4.5, 45 Min. Carbon Cylinder	-0103	-0203	-0303	-0403	-0503	-0603	23.1	10.5
804848-XXXX	Air-Pak Fifty 4.5, 60 Min. Carbon Cylinder	-0103	-0203	-0303	-0403	-0503	-0603	26.1	11.8

Air-Pak Fifty CBRN Approved With Alligator Style Hardware** Ordering Information

804484-XXXX	Air-Pak Fifty 2.2, Aluminum Cylinder	-5103	-5203	-5303	-5403	-5503	-5603	30.5	13.8
804849-XXXX	Air-Pak Fifty 2.2, Carbon Cylinder	-5103	-5203	-5303	-5403	-5503	-5603	18.9	8.6
804846-XXXX	Air-Pak Fifty 4.5, 30 Min. Carbon Cylinder	-5103	-5203	-5303	-5403	-5503	-5603	18.9	8.6
804847-XXXX	Air-Pak Fifty 4.5, 45 Min. Carbon Cylinder	-5103	-5203	-5303	-5403	-5503	-5603	23.1	10.5
804848-XXXX	Air-Pak Fifty 4.5, 60 Min. Carbon Cylinder	-5103	-5203	-5303	-5403	-5503	-5603	26.1	11.8

*Nominal weights in lb/kg (with charged cylinders) do not include options. **Approved with AV-2000 and E-Z Flo Plus Regulator.

Air-Pak Fifty CBRN Retrofit Kits

Part Number	Description
200173-01	CBRN '97 SCBA Retrofit Kit, E-Z Flo Plus w/ 36" Hose
200173-02	CBRN '97 SCBA Retrofit Kit, E-Z Flo Plus w/ QD



SWAT-PAK™ SCBA & FR

THE TACTICAL EDGE FOR LAW ENFORCEMENT

The Core of The SWAT-PAK is the Air-Pak® Fifty™

The Air-Pak has earned the confidence of SCBA users with its record of reliable performance and rugged dependability. Scott is committed to continuing the innovative technological leadership which has forged that tradition. The Air-Pak Fifty is an SCBA developed with extensive input from fire, first responders and law enforcement professionals. Based on their recommendations, the Air-Pak Fifty offers enhanced design and custom configurations built around proven Scott performance. The Air-Pak Fifty continues the time-tested operating systems which have given users the easy-breathing SCBA performance they have learned to rely on time and time again for dependable respiratory protection.

Maximum Protection in Tactical Situations

Today, law enforcement personnel are challenged in covert operations as well as having to respond to threats involving weapons of mass destruction. These professionals will not only need reliable respiratory protection, they'll need an SCBA specifically designed for optimum protection in these unknown situations. Our tactical SCBA's, the SWAT-PAK and SWAT-PAK FR Edition were designed by law enforcement for law enforcement applications, combining state-of-the-art technology and offering unsurpassed protection. The SWAT-PAK comes complete with our innovative AV-2000 Facepiece, black Kevlar® harness and head harness and incorporates our easy breathing E-Z Flo® regulator and unique Vibralert® alarm. The SWAT-PAK FR Edition offers the added features of a state-of-the-art Heads-Up Display with low illuminance, a Rapid Intervention Crew/Universal Airline Connection and the E-Z Flo Plus CBRN regulator.

Live Agent Proven

Both the SWAT-PAK SCBA and SWAT-PAK SCBA FR Edition are tested to and meet the stringent CBRN agent resistance to permeation/penetration requirements outlined in NIOSH's CBRN SCBA standard. All components successfully completed 6-hour duration testing to maximum credible threat concentrations of HD liquid and vapor and GB vapor.

Features

The leading tactical supplied-air respirator for responders in a hazardous chemical or biological environment.

- NIOSH approved Self Contained Breathing Apparatus
- Rugged, fire-proven Scott Air-Pak SCBA components
- All-black design for stealth operations
- Low noise level regulator operation
- Full face protection
- Vibrating low air signal through the regulator
- Black, Nomex® tactical hood attaches to AV-2000® facepiece
- Lightweight cylinder options in 2216 and 4500 psi
- Interfaces with all Scott communications
- Options include: E-Z Flo Plus CBRN regulator, Heads-Up Display (HUD) or Vibralert alarm; EBSS (Emergency Breathing Supply System) with 6' hose and pouch, Quick Charge, RIC/UAC (Rapid Intervention Crew/Universal Airline Connection), extended airline, hard or soft carrying case

EDITION

NT PROFESSIONALS



Ordering a SWAT-PAK™ SCBA

Each complete assembly includes black Kevlar® harness, AV-2000® facepiece with Kevlar head harness and Quick Connect E-Z Flo® regulator.

SWAT-PAK SCBA Complete Assemblies				
Part Number	Cylinder	EBSS	Quick Charge	Case
805454-24	2216 psig Carbon, 30 Min.	None	No	None
805454-25	2216 psig Carbon, 30 Min.	w/6' Hose	No	Soft
805454-26	2216 psig Carbon, 30 Min.	w/6' Hose	Yes	Soft
805454-44	4500 psig Carbon, 30 Min.	None	No	None
805454-46	4500 psig Carbon, 60 Min.	None	No	None
805454-47	4500 psig Carbon, 60 Min.	w/6' Hose	No	Soft
805454-48	4500 psig Carbon, 60 Min.	w/6' Hose	Yes	Soft

Ordering a SWAT-PAK SCBA FR Edition

Each complete FR Edition assembly includes black Kevlar harness, AV-2000 facepiece with Kevlar head harness (Comfort Seal™), Quick Connect E-Z Flo Plus CBRN regulator, Heads-Up Display, and RIC/UAC. NIOSH CBRN SCBA performance compliant.

SWAT-PAK SCBA FR Edition Complete Assemblies				
Part Number	Cylinder	EBSS	Quick Charge	Case
805454-407	4500 psig Carbon, 60 Min.	None	No	Soft
805454-408	4500 psig Carbon, 60 Min.	w/6' Hose	No	Soft
805454-409	2216 psig Carbon, 30 Min.	None	No	Soft
805454-410	2216 psig Carbon, 30 Min.	w/6' Hose	No	Soft

Custom Configurations for both the SWAT-PAK SCBA and SWAT-PAK SCBA FR Edition are available. Please contact customer service for options.

SWAT-PAK Accessories	
Part Number	Description
804497-01	Hard Carrying Case
10009324	Soft Carrying Case
1001167	Black Cylinder Cover
1001160	AV/SWAT Hood, Black Nomex® for AV-2000
1001166	SWAT-PAK Pouch

THE SILENT EDGE FOR FIRST RESPONDERS

Special weapons and tactical teams (SWAT) are fast becoming first responders. These professionals will not only need reliable respiratory protection, but they'll also need an SCBA specifically designed for optimum protection in stealth situations. And, whether your responding to a terrorist incident, clandestine lab investigation, or hostage situation, high risk operations may involve unknown hazardous such as chemicals or biological agents. For added safety under these conditions we offer the SWAT-PAK SCBA FR Edition featuring our revolutionary Heads-Up Display (HUD). The HUD replaces the standard tactile feel, audible alarm and keeps you visually informed about your air status. An unobstructed view through the facepiece, provides a clear, low-lit LED readout of your current air supply. In addition, we've added the dependable E-Z Flo Plus CBRN regulator — a critical component necessary to provide tactical officers the best respiratory protection against weapons of mass destruction. Modeled after the SWAT-PAK SCBA, the SWAT-PAK SCBA FR Edition is designed for stealth operations, cloaked in a unique all black design, combining Scott's time-tested system and with an added silent edge of protection that gives you a tactical advantage in breathing air support.

RIT-PAK™

2 IN / 2 OUT TOTAL SOLUTION

AIR-SUPPLIED



RIT-PAK

- Specifically designed for Rapid Intervention Teams or Emergency Response Teams
- Fast connections for providing air to downed/trapped responders
- Specially designed cotton/nylon bag for durability
- Portable and lightweight
- 45- and 60-minute cylinder duration options
- Fire resistant
- Multiple connections available

RIT-PAK Ordering Information

Part Number	Description
805446-01	RIT-PAK w/ low pressure hose & Pyrotone® bag (1001176)
805446-02	RIT-PAK w/ low pressure hose less bag
805446-03	RIT-PAK w/ RIC/UAC pressure hose (805450-03) and bag
805450-03	RIC/UAC quick charge hose
1001176	Pyrotone Bag

PASS THRU DEVICE

FOR CHEMICAL SUITS AND BIOHAZARD RESPONSE



Chemical Suit Pass Thru Device

- Adapter available for Level A suits
- Provides airline connection on outside of suit in all airline pigtail formats (i.e. Hansen, Foster)
- Special order through Scott and Level A suit manufacturer
- Utilizes the same airline pigtail and connections on the Air-Pak® and the Ska-Pak®

Pass Thru Device Ordering Information

Part Number	Description
803620-01	Pass Thru Assembly, Hansen Fitting
803620-02	Pass Thru Assembly, Schrader Fitting

PORTABLE AIR SUPPLY CARTS

MOBILITY FOR EXTENDED DURATION APPLICATIONS

Mobile Air Cart

- Supplies breathing air for several hours (by rotating cylinders) for up to 4 users at a time, at NFPA flow rates
- Standard valved high pressure inlet with stainless steel quarter turn ball valve (includes standard CGA male threads and dust cap with lanyard)
- Fail safe, open, sealed regulator on respirator supply
- End-of-cylinder service indicator
- All connections are easily accessible
- Accommodates two 4500 or 2216 psig cylinders
- Optional tool supply manifold
- Lightweight and portable
- Easily navigates stairs



AIR-SUPPLIED

Mobile Air Cart Ordering Information

Part Number	Two Respirator Outlet Mobile Air Cart
805825-01	2-Outlet w/ Hansen QD, Aux. Inlet, Less Cylinders
805825-02	2-Outlet w/ Hansen QD, Aux. Inlet, (2) 4500 psig 60 Min. Carbon Cyl.
805825-03	2-Outlet w/ Hansen QD, Aux. Inlet, (2) 2216 psig 30 Min. Aluminum Cyl.
Part Number	Four Respirator Outlet Mobile Air Cart
805826-01	4-Outlet w/ Hansen QD, Aux. Inlet, Less Cylinders
805826-02	4-Outlet w/ Hansen QD, Aux. Inlet, (2) 4500 psig 60 Min. Carbon Cyl.
805826-03	4-Outlet w/ Hansen QD, Aux. Inlet, (2) 2216 psig 30 Min. Aluminum Cyl.
Part Number	Four Respirator Outlet Mobile Air Cart
805827-01	4-Outlet, 2-Tool w/ Hansen QD, Aux. Inlet, Less Cylinders
805827-02	4-Outlet, 2-Tool w/ Hansen QD, Aux. Inlet, (2) 4500 psig 60 Min. Carbon Cyl.
805827-03	4-Outlet, 2-Tool w/ Hansen QD, Aux. Inlet, (2) 2216 psig 30 Min. Aluminum Cyl.

TRC-1 Air Cart

- Supplies breathing air for up to 8 respirator users at a time for technical rescue operations
- This one cart can supply 2 teams with air from independent air sources that are independently alarmed with end-of-cylinder service indicators
- Breathing air source is controlled by selector switch
- All outlets can be supplied by installed cylinders
- All outlets can be supplied by external high pressure source
- One set of 4 outlets can be supplied by installed cylinders while another set of 4 outlets are supplied by external high pressure source
- Check-valved to prevent contamination from auxiliary manifold
- Accommodates 2 4500, 3000 or 2216 psig cylinders
- Easily navigates stairs



TRC-1 Air Cart Ordering Information

Part Number	Description
200070-01	TRC-1, 8-Outlet Cart w/ Hansen Fittings
200070-02	TRC-1, 8-Outlet Cart w/ Foster Fittings
200070-03	TRC-1, 8-Outlet Cart w/ Hansen HK Fittings
200070-04	TRC-1, 8-Outlet Cart w/ Schrader Fittings
200070-05	TRC-1, 8-Outlet Cart w/ Cejn Fittings



AIR-PURIFYING

POWERED AIR-PURIFYING

THE PERFECT SOLUTION FOR DOMESTIC PREPAREDNESS

Rugged and Reliable

Scott's C 420 and Proflow 2 powered air-purifying respirators (PAPRs) are designed for use in domestic preparedness environments that require a dependable, powered air-purifying respirator. The C 420 and Proflow 2 PAPRs are NIOSH approved and meet stringent airflow and Mil-Spec vacuum test requirements. The PAPRs' sleek, low-profile will not hinder entries and exits when dealing with harmful environments. Both the C 420 and the Proflow 2 are lightweight and comfortable.

Our C 420 PAPR is ready to go when you are with a standard lithium-sulfur dioxide battery pack that maintains a 10-year shelf life in its original packaging. This onboard battery provides up to 10 hours of performance, over a full shift of duty. The inventive Proflow 2 PAPR is unmatched in design and performance with onboard "smart" electronics and alarms that minimize risk and eliminate guesswork associated with conventional PAPRs.

User-friendly and Complete

The C 420 PAPR and Proflow 2 PAPR are belt mounted and designed to ride in the small of the wearer's back for the ultimate in comfort and support. The blower motor of the C 420 PAPR is shielded to MIL STD 461C so it will not interfere with radio communications. The C 420 PAPR comes complete with blower unit assembly, breathing tube assembly and air flow indicator. The Proflow 2 comes complete with blower unit, waist belt, breathing tube, battery and charger. Power to the unit is controlled by a single recessed on/off toggle switch. The flexible breathing tube, made of EPDM corrugated rubber, does not restrict head movement. Thorough decontamination against CBRN agents and other toxic industrial materials (TIMS) is made easy with detachable parts that can be cleaned according to the situation encountered.

Proflow 2 Technical Data

- Quiet, rugged operation
- Built in control systems continually monitor status to ensure adequate air flow
- Maintain constant flow of air easily compensating for filter loading
- Sealed body make units shower proof and safely encases battery
- Blower unit is curved to fit the body and is weight balanced for maximum comfort
- High impact resistant casing resists wear and tear
- Blower body is easy to wash and decontaminate
- Two 40mm cartridges attach facing downward to prevent ingress of water or contaminant
- Microprocessor controlled air flow management constantly displays battery status and air flow status
- Audible and flashing alarm warns of low battery
- Audible and flashing alarm warns of low air flow which could indicate time to change cartridges
- NIOSH approved with Scott full facepieces

ING

PREPAREDNESS SITUATIONS



C420 PAPR shown with AV/NBC Shroud™

C420 PAPR Technical Data

- Provides a minimum of 4 cfm constant airflow to the facepiece
- Blower produces a fanning effect that prevents the facepiece from fogging and provides a cooling effect
- NIOSH approved with Scott full facepieces and Mil-Spec compliant
- Independently tested to live agents at the U.S. Army SBC COM test facility
- Sleek, low profile that is lightweight and comfortable
- Designed for use in Domestic Preparedness and industrial environments
- Meets stringent NIOSH airflow and Mil-Spec vacuum test requirements
- Shielded motor will not interfere with radio communications
- Onboard battery will provide up to 10 hours of performance
- Standard military battery has a 10-year shelf life
- Easy decontamination
- Blower life is 3000 hours
- Also available with NiMH rechargeable battery for training operations



Proflow 2 Ordering Information	
Part Number	Description
805810-02	Proflow 2* w/ AV-2000®, Kevlar Headnet (Comfort Seal™)
805810-05	Proflow 2* w/ Scott-O-Vista®, Poly Headnet (Comfort Seal)
805810-04	Proflow 2* w/ Promask 40, Textile Head Harness
805810-03	Proflow 2* without mask

Proflow Accessories Ordering Information	
Part Number	Description
064074	Easy Decontamination Waist Belt
064079	Breathing Tube-Extra Long (40 in, 100 cm)
063558	Battery Charger

*Proflow 2 assembly comes with blower unit, waist belt, breathing tube, battery and charger



C420 PAPR Assembly and Accessories	
Part Number	Description
805371-02	C420 PAPR Unit*
805633-02	C420 PAPR Unit* with Lithium Sulfur Dioxide Battery and AV-2000® Facepiece with Kevlar® Headnet (Comfort Seal™)
805634-02	C420 PAPR Unit* with Lithium Sulfur Dioxide Battery and AV-2000 with Rubber Head Harness
805635-02	C420 PAPR Unit* with Lithium Sulfur Dioxide Battery
805636-02	C420 PAPR Unit* with Lithium Sulfur Dioxide Battery and AV-2000 with Kevlar Headnet (Comfort Seal) and AV/NBC Shroud
805358-01	Spare Lithium Sulfur Dioxide Battery Pack
805839-01	NiMH Rechargeable Battery Pack**
805840-01	Single Unit Battery Recharger
805059-01	40mm Mask Adapter
804191-08	AV-2000 with Kevlar Headnet (Comfort Seal)
805257-08	AV-2000 with 4-Point Rubber Harness (Comfort Seal)
805289-04	AV/NBC Shroud with Installation Kit

*C420 Unit consists of Blower Unit, 37" Breathing Tube, 40mm Mask Adapter, Easy Decontamination Belt and Airflow Indicator

**Does not meet NIOSH requirements when installed

NOTE: C420 PAPR and Proflow 2 PAPR require use of two 40mm cartridges.

THE FIRST CHOICE FOR FIRST RESPONDERS

When powered air-purifying respirators make sense for operations such as anthrax or other biological agent response, rescue and recovery where asbestos or lead is present or crowd or riot control, Scott PAPRs are the first choice for first responders.

The C420 and Proflow 2 PAPRs are ultra-light, powered air-purifying respirators that use a blower to force ambient atmosphere through air-purifying canisters to the user's facepiece. In hostile or extended wear situations, the cool fanning effect of a Scott PAPR helps keep the facepiece from fogging, while eliminating the additional pulmonary stress usually associated with a non-powered respirator. Airflow is kept constant over the entire usage period. The blower units provide air flow rates that meet Mil-Spec and NIOSH requirements.

GAS MASKS AND CAN

HAZMAT, LAW ENFORCEMENT AND DOMESTIC

M95 Gas Mask

CBRN Protection, Tactical, and Riot Control Applications

Scott's M95 gas mask offers unsurpassed protection for CBRN agent exposure as well as comfort and reliability. The M95 is designed to meet the most critical hazards encountered in combat and tactical situations. Tested to NATO standards, the M95, when coupled with the Enforcement Cartridge, offers the user superior protection from airborne nuclear, biological and chemical agents, and riot control agents. The M95 mask, with its anthropometrically correct fit, provides the user longer wear times with low breathing resistance. The M95 gas mask has successfully completed testing against live agents at U.S. Army SBCOM, as well as the Finnish Defense Institute.

- 6-point elastic head harness for superior fit and quick donning
- Halo-butyl rubber faceblank for maximum CBRN agent permeation protection
- Silicone inner mask is non-allergenic
- Lightweight, low profile design
- Can be used with air-purifying canisters or PAPRs
- Left or right side mask threads for filter canisters
- Bi-ocular polyamide lens for excellent downward and horizontal vision, allowing proper weapon siting
- Speech diaphragm for optimal personal communication
- 40mm NATO type canister thread
- Easy decontamination and maintenance
- Optional drinking tube for rapid fluid intake, allowing rehydration

Promask 40

General Use Respirator/Gas Mask

The Promask 40 full-face respirator system is an economical, lightweight facepiece that has multiple applications in HAZMAT, EMS, riot control, crowd control, clandestine lab investigations and search and rescue operations. The Promask 40 offers versatile protection with very low breathing resistance that can be used with air purifying canisters or powered air purifying respirators. Two piece construction of hypoallergenic, halo-butyl rubber and silicone nose cup materials, the face-piece provides maximum user comfort and offers excellent resistance to a wide variety of toxic industrial materials (TIMS) and CBRN agents.

- Full face lens for unobstructed vision
- 40mm NATO type canister thread
- Canister can be mounted left or right side
- Impact resistant polycarbonate or optional hard-coated polycarbonate for added resistance
- Low breathing resistance
- High efficiency speech diaphragm
- Easily cleaned and maintained
- 5-point elastic textile head harness for quick & easy donning or EPDM head harness for easy decontamination

ISTERS

PREPAREDNESS PROTECTION



40mm CBRN Canisters

Chemical, Biological, Radiological, and Nuclear Protection

Designed to protect first responders and clandestine lab investigators in Non-IDLH and oxygen deficient conditions against nuclear particulates, toxic or biological particulates, as well as chemical vapors, gases and mists/aerosols and tear gas.

- 40mm NATO threaded connection for gas masks
- Enforcement Cartridge is NIOSH approved for use against Chlorine, Hydrogen Chloride, Hydrogen Fluoride, Chlorine Dioxide, Sulfur Dioxide, CS and CN (tear gas), Phosphine, Ammonia, Methylamine and all particulate aerosols; exceeds C2A1 Mil-Spec performance and protects against CBRN agents such as Sarin, DMMP, Cyanogen Chloride, Anthrax and all particulate aerosols
- P100 cartridge is ideal for training purposes and protects against biological and radiological agents such as Anthrax, alpha and beta radiation particles and all particulate aerosols
- Easy-open sealed packaging with canister plugs to eliminate offgassing on Enforcement Cartridge and MPC Plus Cartridge (extended shelf-life version)
- For use with Scott full facepieces, powered air-purifying respirators and gas masks
- 5- and 10-year shelf life available for MPC Plus Cartridge, 10-year shelf life for Enforcement Cartridge

CHOOSING THE RIGHT GAS MASK FOR YOUR APPLICATION

Scott offers a full line of gas masks for use in HAZMAT, law enforcement and domestic preparedness environments. These full facepieces, with a military look and changeable canister that contains a high-efficiency filter, offer protection against anthrax spores. These masks are also suitable for arson investigations, EMS and search and rescue applications where IDLH environments may be encountered. With their all black stealth design, the M95 and Promask40 share standard NATO style 40mm threaded canisters, simplicity of use and maintenance, and the latest in high-tech design features. Companion canisters feature activated carbon to trap noxious gases and adsorb hazardous chemicals.



M95 Facepiece and Accessories	
Part Number	Description
013221	M95 Small with Drinking Device
013241	M95 Small without Drinking Device
013281	M95 with Drinking Device
013261	M95 without Drinking Device
012798	Spectacle Kit
012593	Drinking Bottle



Promask 40 Facepiece and Accessories	
Part Number	Description
013021	Promask 40, EPDM Head Harness, Polycarbonate Lens
013061	Promask 40, EPDM Head Harness, Hard Coated Lens
013022	Promask 40, Textile Head Harness, Polycarbonate Lens
013062	Promask 40, Textile Head Harness, Hard Coated Lens
013025	Promask 40, EPDM Head Harness, Polycarbonate Lens, Small
013066	Promask 40, EPDM Head Harness, Hard Coated Lens, Small
012798	Spectacle Kit



40mm Chin Canister Ordering Information	
Part Number	Description
052683	P100 Cartridge
045123	Enforcement Cartridge
805557-01	MPC-Plus Multi-purpose Cartridge
805557-02	MPC-Plus Multi-purpose Cartridge (Extended Shelf-life)



AIR-PURIFYING

RESPIRATORS AND CA

GENERAL PROTECTION AGAINST AIRBORNE

General Use Respirators

Scott provides a full line of air-purifying respirators and cartridges for situations where breathing air can be filtered. The Promask 25 full facepiece and Xcel half facepiece can be used interchangeably with 742 series twin cartridges and 742 plus cartridges, eliminating the need for inventory of a separate line of cartridges.

Promask 25 Gas Mask

- For use with a full range of 742 Twin Cartridges, NIOSH 42 CFR Part 84 approved filters, chemical cartridges for gases/vapors and combination particulate/gas/vapor cartridges
- Uniquely contoured sealing edge provides excellent fit
- Designed for simple disinfection, decontamination and maintenance
- Includes speech diaphragm for optimal personal communication
- Head harness does not interfere with head or ear protection
- Sweat port in chin pocket for added comfort during extended wear times
- Easy breathing twin cartridges are swept back out of the line of vision, providing easy integration with riot control helmet shields
- Balanced, lightweight and ergonomically designed with low profile
- Wide lens for extended field of vision, available in polycarbonate or hard-coated polycarbonate for scratch resistance
- 2 sizes available, Small and Medium/Large

Xcel™ Half-Facepiece

- Made of lightweight thermoplastic elastomer (TPE) material
- Soft, comfortable fit won't interfere with goggles or glasses
- Easy to don and doff
- Head harness does not interfere with ear or eye protection
- Wide elastic bands provide comfortable one-point adjustment
- D clip is easy to fasten, even with gloved hands
- Easy breathing twin cartridges are out of line of vision
- Available with optional voicemitter for enhanced personal communication
- Available in 4 sizes

742 Cartridges

- For use on Xcel Half-Mask and all Scott full facepieces
- Full range of NIOSH 42 CFR Part 84 approved filters, chemical cartridges for gas/vapor and combination particulate/gas/vapor cartridges
- Only NIOSH approved dual cartridge system for use against tear gas when used with Scott full facepieces
- Plus cartridges available for extended service life
- Multi-Purpose cartridge protects against multi-hazard vapors and gases allowing freedom to move within areas with multiple exposure hazards
- Also available with N95 or R95 filters and enclosure covers
- Quarter turn adapter for full facepieces is low profile allowing for use of communications
- Provide respiratory protection in Non-IDLH and Non-O₂ deficient applications

RTRIDGES

CONTAMINANTS



Xcel Ordering Information		
Single Xcel	Box of 20	Xcel Half-Facepiece
7421-111	7421-211	Assembly, Small
7421-112	7421-212	Assembly, Small/Medium
7421-113	7421-213	Assembly, Medium/Large
7421-114	7421-214	Assembly, Large
7421-111V	7421-211V	Assembly, Small w/Voicemitter
7421-112V	7421-212V	Assembly, Small/Medium w/Voicemitter
7421-113V	7421-213V	Assembly, Medium/Large w/Voicemitter
7421-114V	7421-214V	Assembly, Large w/Voicemitter



Promask 25 Ordering Information	
Part Number	Description
013024	Promask 25, M/L, Rubber Harness, Polycarbonate Lens
013063	Promask 25, M/L, Rubber Harness, Hardcoat Lens
013027	Promask 25, S, Rubber Harness, Polycarbonate Lens
013067	Promask 25, S, Rubber Harness, Hardcoat Lens
013023	Promask 25, M/L, Textile Harness, Polycarbonate Lens
013028	Promask 25, S, Textile Harness, Polycarbonate Lens
013064	Promask 25, M/L, Textile Harness, Hardcoat Lens
013068	Promask 25, S, Textile Harness, Hardcoat Lens
012698	Lens Cover, Package of 10
012798	Spectacle Kit



742 Twin Cartridge Options and Accessories			
Description	Part Number	Quantity	
N95 Filter Add-on	7422-FN5	50 Pair	
R95 Filter Add-on	7422-FR2	25 Pair	
Add-on Filter Enclosure Cover & Retainer	7422-FE4	10 Sets per Box	
Quantitative Fit Test Adapter	7422-FT1	Each	
Quarter Turn Adapter for Full Facepiece	805622-01	Each	

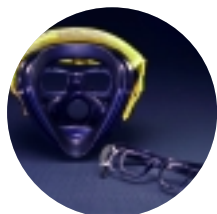
Ordering Information For: Description	742 Series Cartridges	742 Series PLUS Cartridges
	Part Number Packaged By The Pair	Part Number Packaged By The Pair
Acid Gas	7422-WA1	7422-WC1
Acid Gas with P100	7422-WB1	7422-WD1
Ammonia/Methylamine	7422-GA1	7422-GC1
Ammonia/Methylamine with P100	7422-GB1	7422-GD1
Formaldehyde	7422-IA1	N/A
Formaldehyde with P100	7422-IB1	N/A
Organic Vapor	7422-BA1	7422-BC1
Organic Vapor with P100	7422-BB1	7422-BD1
Organic Vapor/Acid Gas	7422-YC1	N/A
Organic Vapor/Acid Gas with P100	7422-YD1	N/A
Mercury Vapor/Chlorine w/End-of-Service Life Indicator	7422-ZA1	N/A
Mercury Vapor/Chlorine w/P100 & End-of-Service Life Indicator	7422-ZB1	N/A
Multi-purpose	7422-SC1	N/A
Multi-purpose with P100	7422-SD1	N/A
Multi-purpose with P100 & Tear Gas	7422-CD1	N/A
P100 Filter	7422-FP1	N/A
Triethylenediamine (TEDA) with P100	7422-PD1	N/A

WHEN TO USE FILTERS AND CARTRIDGES

Proper breathing environment and life support for rescue personnel and victims exposed to weapons of mass destruction is essential. However, with many of the biological agents currently available, first responders may not know they were exposed or what they were exposed to until several days later. Fortunately an array of respiratory protective devices are available to protect both rescue personnel and victims; from particulate respirators, to combination gas/vapor and particulate air-purifying respirators through SCBA's. The Centers for Disease Control and Prevention (CDC) recommends that first responders use respirator assemblies for protection against biological agents. These recommendations clearly require the use of half-mask or full facepiece air-purifying respirators with particulate filter efficiencies ranging from N95 (for hazards such as pulmonary tuberculosis) to P100 (for hazards such as hantavirus) as a minimum level of protection. The 742 Series of specially designed cartridges and filters offers multi-level protection against gases, vapors, fumes, particulates and other airborne elements.

ACCESSORIES

TO USE WITH SCOTT FULL FACEPIECES



Spectacle Kits

Designed to retain your prescription lens, these devices features a flexible suspension system to ensure a comfortable fit to the user's face.



Facepiece Bag

Durable and washable polyester fleece bag, with spring loaded clamp and drawstring, offers protective stowing for facepiece and quick connect mask mounted regulator.



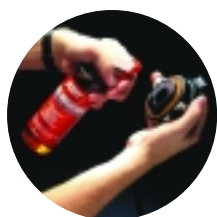
Facepiece Neck Strap

Designed to hold the facepiece for convenient easy retrieval when wearing an SCBA. The facepiece strap is constructed with the same materials as the Air-Pak® Fifty™ harness and is designed to adjust for a comfortable fit.



Lens Covers

Lens covers are available for additional protection against airborne particles that may scratch or cloud the permanent lens.



Multi-Wash™ Mini

Pre-measured iodine-based cleaner/disinfectant solution that is safe for you and your equipment*.

*Decontaminate equipment based on Standard Operating Procedure or CDC or NIJ recommendations when exposed to CBRN agents or TIMS, then perform usual inspection according to product's operations and maintenance manual.



Adapters

Convert your facepiece into a gas mask by using a 40mm adapter, or make it an air-purifying respirator by using a 1/4 turn adapter.

Multi-Wash Mini Ordering Information

Part Number	Description
10010068	16-ounce Bottle with Spray Attachment
10010304	One Gallon Bottle with Spray Attachment
89346-01	Multi-Wash Mini General Instructions

Facepiece Accessories

Part Number	Description
804442-01	Spectacle Kit for AV-2000 Facepiece
805534-01	Facepiece Bag
804088-01	Kevlar Facepiece Neck Strap
803941-25	Lens Covers for AV-2000 Facepiece (Pkg of 25)
805059-01	40mm Canister Adapter
805622-01	1/4 Turn Adapter

FIT-TESTING EQUIPMENT

FOR QUANTITATIVE FIT-TESTING

Probed Fit Test Adapters

- Scott's probed adapter assemblies permit quantitative fit-testing with all full facepieces and half-facepieces
- Allow individuals to be fit-tested with their own facepiece
- Simplify annual fit-testing
- Cost-effective solution to regulations which require fit-testing of all tight-fitting facepieces
- Simple and easy to use
- Ideal personal hygiene solution for full facepiece testing
- Compatible with TSI® PortaCount® Plus



Fit-Test Adapter Ordering Information			
Quantitative Fit Testing Device	Facepiece to be Fit Tested	Quantitative Fit-Test Probe Adapter Required	Also Requires Use of:
TSI PortaCount	Xcel™ Half Mask	7422-FT1	742 Series Proo Cartridges
	Promask 25	7422-FT1	742 Series Proo Cartridges
	AV-2000®		
	w/ Quarter Turn Adapter (805622-01) Installed	7422-FT1	742 Series Proo Cartridges
	AV-2000		
	w/ 40mm Adapter (805059-01) Installed	805628-01	40 mm Proo Cartridge
	Promask 40, M95	805628-01	40 mm Proo Cartridge
	Additional Tygon Tubing Kit	805630-01	

TACTICAL MASK BAG

EQUIPMENT BAG FOR FACEPIECES AND ACCESSORIES

Tactical Mask Bag

- Made of durable Cordura Nylon
- Belt loop standard, leg strap and shoulder strap optional
- Adjustable for ideal fit on varying body types
- Secure friction type clips for bag top and straps
- Vented bottom
- Large enough to stow M95, AV-2000, Promask 40 or Promask 25 masks, cartridges and canisters (available separately)

Tactical Mask Bag Ordering Information	
Part Number	Description
1001882	Tactical Mask Bag
10012151	Shoulder Strap
10012152	Leg Strap



COMMUNICATIONS

PRODUCTS DESIGNED FOR YOUR SPECIFIC NEED

Communications

Each of Scott's communication systems may be mounted on all existing Scott AV-2000® facepieces by means of a single bracket. The bracket secures over the voicemitter housing, and all that is needed to lock any communication system in place is a single quarter turn. Each system's lightweight design means that there is no loss of facepiece comfort or performance. Each system is compatible with virtually all handheld portable radios with remote accessory connectors. Each system is water resistant for ease of maintenance. To clean any system, users may use a solution of warm water with mild detergent.



AV-2000 Voice Amplifier

- Designed to promote stronger person-to-person communications
- Powered by a single 9-volt battery



E-Z Radiocom™ Communication System

- Simple interface between a portable radio and an AV-2000 facepiece
- Reduces garbled or lost transmission, which translates into greater safety
- Push to Talk PTT button is oversized for use with gloved hand



Envoy Radiocom™ Communication System

- Three modes of operation
 - EMS - Lapel microphone and amplifier
 - HAZMAT - Push-to-talk with radio interface
 - Fire Suppression - Voice amp with radio interface
- Reduces garbled or lost transmission, which translates into greater safety
- Features override functions - giving priority to incoming radio transmissions when used for person to person communications
- Optional ring finger PTT or paddle PTT



TALK-AROUND™ Communication System

- Wireless person-to-person communications
- Optional portable radio communications
- Easily toggles from wireless talk-around to portable radio modes
- Push-to-talk (PTT) design for suppression
- Optional hands-free VOX for HAZMAT scenarios



HAZMAT Radiocom Communication System

- Simple interface between a portable radio and an AV-2000® facepiece
- Reduces garbled or lost transmission, which translates into greater safety
- PTT button is oversized for use with gloved hand, paddle and ring finger
- Unique power design which runs off the batteries in the user's radio

ORDERING INFORMATION

FOR COMMUNICATIONS AND ACCESSORIES

AV-2000® Voice Amplifier Ordering Information	
Part Number	Description
804564-01	Voice Amp Assembly (Includes Mounting Bracket, Installation/Operation Manual and Battery)

TALK-AROUND Ordering Information	
Part Number	Description
804827-01	TALK-AROUND Mask-Mounted Radio

Communications Ordering Matrix								
Dash #	Manufacturer	Style	E-Z Radiocom™ (805206-XX)	Envoy Radiocom™ (805262-XX)	TALK-AROUND™ Radio Cable Interface (805435-XX)	HAZMAT Radiocom Paddle PTT (805701-XX)	HAZMAT Radiocom Ring Finger (805702-XX)	
-02	Motorola	HT600, HT800, HT810, HT820, MT1000, MTX800, MTX810, MTX820S, MTX900, MTX900S, Radius P200	X	X	X	X	X	
-03	Motorola	AP73, CT250, GP88, GTX, LTS2000, Radius P110, P125, Radius GP300, SP10, SP21, SP50, Spirit-III, GP63, GP68, PRO3150, CT250LS, CT450, CT450LS	X	X	X	X	X	
-04	Motorola	GP900, HT1000, JT1000, MT2000, MTS2000, MTX, MTX2000, MTX8000, MTX838, MTX9000, Transcript Stealth, XTS3000, XTS3500	X	X	X	X	X	
-05	GE/Ericsson	GF, MPA, MPA Select, MPD, MTL, PAJ01, PATPA-5, TPX	X	X	X	X	X	
-07	Motorola	Visar	X	X	X	X	X	
-08	Motorola	Expo, HT10, Radius P10, Radius P50	X	X	X	X	X	
-09	Motorola	Astro, MX1000, Saber (Quick Disconnect), MX2000, MX3000	X	X	X	N/A	N/A	
-11	GE/Ericsson	LPE-200, MRK, Prism, PK1ZGT	X	X	X	X	X	
-17	Kenwood	Demitoss 9 (Japan), TH21, TH25A, TH41, TH45, TH75, TH91A, TK2100K2, TK220, TK320, TK340, TK350, TK353, TK240, TK248, TK250, TK260, TK270, TK360, TK370, TK430, FREETALK LINE	X	X	X	X	X	
-18	Bendix King	EPH, EPI, EPU, EPV, LPH, LPU, LPX, MPH, LPI	X	X	X	X	X	
-34	Kenwood	TK 280, 290, 380, 390, 480, 481	X	X	X	X	X	
-40	Midland	70-165, -166, -265, -266	X	X	X	X	X	
-47	Motorola	MU21CV, MU21CZ, MU22CV, Spirit-Pro	X	X	X	X	X	
-49	Motorola	GP350 (quick-disconnect)	X	X	X	X	X	
-68	Motorola	GP328, HT1250, HT1550, HT750, Pro 5150, PRO7150, PRO9150	X	X	X	X	X	
-69	Motorola	Saber (Hard-wired)	X	X	X	X	X	

X - Available for this model
N/A - Not Available

Communication Accessories Ordering Information		
Part Number	Accessory	Attaches To:
804636-01	AV-2000 Universal Mounting Bracket	All Communications
805787-01	AV-3000 Universal Mounting Bracket	All Communications
10011071	Ring Finger PTT	Envoy Radiocom
805566-01	Paddle PTT	Envoy Radiocom
805335-01	36" Long Earspeaker, Replacement	Envoy Radiocom
805335-02	18" Long Earspeaker, Replacement	Envoy Radiocom
805478-01	Lanyard	Voice Amp, Talk-Around



CHANGING HOMELAND SECURITY

WITH THE EAGLE IMAGER® 160, THE DIFFERENCE IS

Scott Eagle Imager Thermal Imaging Cameras

Thermal imaging technology has proven to be one of the most effective tools available for first responders. From search and rescue, to fire-seat identification, to revealing fire extensions, thermal imaging cameras let first responders go on the attack more efficiently than ever before. With over 5,000 Scott thermal imaging cameras in use, first responders around the world rely on the dependable performance of these valued tools every time they are called into service.

Eagle Imager 160...The Next Generation Thermal Imager

Scott Health & Safety is proud to introduce the Eagle Imager 160, the thermal imaging camera of the 21st Century. Developed for the toughest fire ground operations, the Eagle Imager 160 offers advantages that, until now, were simply not available.

Revolutionary Microbolometer Technology

The heart of the Eagle Imager 160 is the latest, most advanced vanadium oxide microbolometer technology available, the Firecooled™ microbolometer. Producing images comparable to a video camera, the Eagle Imager 160 allows users to more quickly and efficiently assess fireground conditions.

- The Eagle Imager 160 features a wide 1,100° dynamic range. This produces images that are highly detailed for precise image interpretation. Unlike low dynamic range cameras, the Eagle Imager 160 won't "white out," produce halos, ghosted images or other distracting image artifacts.
- Wide dynamic range permits the Eagle Imager 160 to see a person standing behind flame. This type of image would be only vaguely visible or even impossible to see using cameras with an 80 or 100 degree dynamic range.
- The Firecooled microbolometer engine generates images with a 60 Hz update rate for smooth, seamless images without the choppiness so apparent in cameras with slower update rates, even those with microbolometer cores.
- The Eagle Imager 160 features the first 160x120 focal plane array (FPA) capable of generating images equal or superior to camera cores with larger FPAs.

THERMAL IMAGING

CURITY... VISIBLY

SECURITY IS IN THE DETAIL



Breakthrough Affordability

Microbolometer technology has repeatedly proven its value in fire service thermal imaging cameras. However, until now, the cost of such cameras presented a real challenge to many homeland security department budgets.

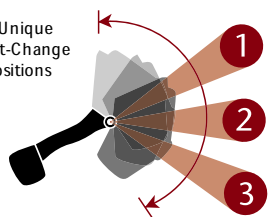
- The Eagle Imager® 160 is the result of Scott's efforts to encourage continued development of technology that is superior in performance, yet affordable enough so that departments can deploy thermal imaging cameras on all of their apparatus.
- The new high resolution, lower cost Eagle Imager 160 with its Firecooled™ microbolometer is the product of Scott's partnership with BAE Systems, the international leader in defense electronics and information technologies, and the leading supplier of microbolometer cameras for the fire service.

Light Weight, Ergonomic & Tough

Hands-on, hands-free, standing or crawling, the Eagle Imager is the most ergonomically versatile camera available today with user-selectable handle positioning for easy and simple balancing.

- At only 4.2 pounds (1.9 kg), the Eagle Imager 160 is easy to carry in any position, whether holding it by its handle or side straps.
- The Eagle Imager 160's sturdy Twist-Change™ set point adjustment allows its handle to be fully retracted for crawling, set mid way, or fully extended for use in a standing posture. The camera can be used hands-free with a neck/shoulder strap.

3 Unique
Twist-Change
Positions



1 - Crawling



2 - Kneeling



3 - Standing

- Handoff from one user to another is simple and quick by grasping a hand strap, the camera's skeletonized handle, or its battery compartment.
- Constructed with special HHRP™ (Heat & Hit Resistant Polymer), the Eagle Imager 160 housing is tough enough for the most rugged firefighting duty.

Twist-Change Battery Change

The Eagle Imager 160's battery pack also features simple Twist-Change battery replacement. The battery has one-way on, large-scale threading that makes battery changeout simply a matter of twisting on a fresh battery.

- With its nearly four hour service life, the Eagle Imager 160's 9-volt nickel-metal hydride battery provides the longest service life of any thermal imaging camera now available.

EASY TO VIEW

The Eagle Imager 160 features a large format, 4-inch diagonal LCD for optimal viewing by one or more people at the same time. Unlike smaller screen cameras, the Eagle Imager 160 provides a wide field of view and captures maximum detail. By displaying multiple objects in relation to each other, the viewer is more likely to see important information.

2-BUTTON CONTROL

Designed and engineered for maximum simplicity, the Eagle Imager 160 is controlled by two push buttons located under the LCD. Both buttons are easily manipulated with gloved hands. The buttons control on/off, a standby mode for battery conservation, channel selection for cameras equipped with transmitters, and an on-demand refresh capability. On-screen text icons indicate camera modes and remaining battery life.

EAGLE IMAGER® 160

OPTIONS, ACCESSORIES AND ORDERING INFORMATION



Standard Accessories

The Eagle Imager 160 comes standard with the following accessories:

- Batteries (2)
- Kevlar® neck/shoulder strap
- 110-volt A/C adapter and 12-volt DC power cables
- Charging cradle
- Durable carrying case

Valuable Options

The Eagle Imager is available with these user-selectable options:

- An on-screen temperature readout in either Fahrenheit or Centigrade to assist users in identifying hot spots and fire extension. The camera's easy-to-read scale displays temperature readings in 100° increments.
- A two-channel transmitter is available to promote greater flexibility and communication in command and control situations. This option, used in conjunction with a receiver kit, enables remote decision-makers to see, and even record, exactly what the camera user is seeing. This option is ideal for training applications.

Optional Accessories

- Truck charging unit for mounting and fully charging both the battery installed on the camera and a spare battery.
- Receiver Kit for Eagle Imager 160's equipped with transmitters and available with either a dish or magnetic-mount antenna for remote video reception.

Warranty Protection

The Eagle Imager 160 comes standard with a one-year warranty on parts and labor. Extended warranty options are also available.

Eagle Imager 160 Thermal Camera & Accessories Ordering Information

Part Number	Eagle Imager 160 Thermal Camera	2-Channel Transmitter	On-Screen Temp. Readout
200155-01	X		
200155-02*	X	X	
200155-03	X		X
200155-04*	X	X	X

* Available 1st Qtr. 2004

Eagle Imager 160 Spare Parts

Part Number	Description
200158-01	Battery
200159-01	Side Hand Strap Assembly (1)
40014585	Reflective Hand Strap Pad (1)
805511-01	Neck/Shoulder Strap
31000283	Battery Charger Cradle
31000366	AC Adapter
31000367	DC Adapter
31000348	Carrying Case
595053	Operating & maintenance instructions
camerawar61	1 year Extended Warranty
camerawar62	2 year Extended Warranty

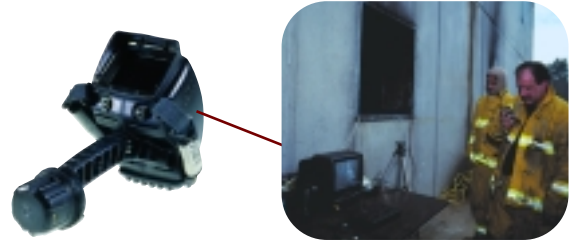
EAGLE IMAGER® RECEIVER KITS

DESIGNED TO GIVE EAGLE IMAGER CAMERAS GREATER USABILITY

Wireless Transmitter

The wireless transmitter option allows the decision makers at the incident command station to simultaneously see on a remote monitor what is seen on the camera. This further enhances the benefit of saving critical time when lives are on the line. It also allows the incident commander to back-up the camera user.

- Lets you view images from a remote location
- Two channel transmission
- Record entire incident through monitor
- Ideal for training scenarios
- Instant visual incident reports for on-scene commanders



Parts and Accessories for Eagle Imager Cameras	
Part Number	Description
40014832	2-Channel Receiver Assy. w/ Parabolic Dish Antenna
40014980	2-Channel Receiver Assy. w/ Magnetic Mount Antenna
40014667	2-Channel Receiver Only
40014825	Tripod for Parabolic Dish Antenna
40014827	12 Foot Long Cigarette Cord
40014828	Video Cable Assembly
40014833	Video Receiver Carrying Case
40014835	Antenna Cable Assembly
40014862	Parabolic Dish Antenna Only
40014973	Magnetic Mount Antenna Only

Thermal Imaging Training

Your department's Eagle Imager thermal imaging camera can be an invaluable tool. That's why it is so important that the camera users obtain effective training. Scott is proud to encourage your department to obtain thermal imaging training through Safe-IR, Inc., an organization established and operated by a group of experienced urban professionals. Teaching thermal imaging since 1996, Safe-IR instructors have trained thousands in camera application across the United States and Canada.

Arrange for your department's training by contacting:

Safe-IR, Inc.
P.O. Box 297
Montgomery, NY 12549

Tel.: 845-457-2421
Toll free: 877-472-3347
Fax: 845-457-2422
Email: Info@safe_ir.com

THERMAL IMAGING

SCOUT

LEADING THE WAY TO DETECT MULTIPLE GASES



SCOUT Multi-Gas Portable Monitor

- Completely new concept in portable multi-gas protection
- Unique ergonomic design acts as an engineered housing
- Optimizes speed of response to hazardous gas
- No internal tubing
- Wind-tested sensor port
- Acoustic resonance chamber
- Advanced battery management technology
- 3 standard alkaline "C" cells provide 50 hours or more runtime
- Detects five toxic gases simultaneously
- Micro-pump maximizes ease-of-use and minimizes downtime
- No clumsy external pump mechanisms
- Powerful micro-pump integrates seamlessly
- Switches from diffusion to sample draw mode on-the-fly
- IntelliShutter™ allows operation in sample or diffusion modes while preventing misuse
- End-of-life indication
- Programmable calibration reminders
- Wireless charging
- Auto-ranges from % LEL-to-% v/v
- Up to 100 programmable multi-user profiles
- Data logging
- Direct air-free CO monitoring

Mini-SA Ordering Information	
Part Number	Description
	Scout Kit: Includes instrument with integral pump, alkaline batteries, leather holster, 34l calibration gas, regulator, tubing, and value case
096-2561-02	3 gas (CO/LEL/O ₂)
096-2561-01	4 gas (CO/H ₂ S/O ₂ /LEL)
	Premium Scout Kit: Includes instrument with integral pump, alkaline batteries, leather holster, 34l calibration gas, regulator with gauge, tubing, and premium water-tight Pelican® case
096-2561-06	3 gas (CO/LEL/O ₂)
096-2561-05	4 gas (CO/H ₂ S/O ₂ /LEL)

TLV SNIFFER®

ARSON INVESTIGATION AND COMBUSTIBLE LEAK DETECTION



TLV Sniffer

- Ultra-sensitive combustible gas indicator
- Detects parts per million (ppm) of flammable liquid vapors and gases
- Key component of arson investigation
- Finds accelerant among burned remains
- Can "sniff-out" residue of combustible substances
- Three combustible ranges: 0 to 100ppm, 0 to 1000ppm and 0 to 10,000 ppm
- Equipped with an internal pump
- Up to 8 hours of continuous operation by 6 "D" cell Nickel Cadmium batteries

TLV Sniffer Ordering Information	
Part Number	Description
096-2401	TLV Sniffer Kit includes instrument, NiCad battery and charger, 10" aluminum probe and carrying case; Standard ranges 0-100, 0-1000, and 0-10,000 ppm

VISIT OUR WEB SITE

LOG ON TODAY AT WWW.SCOTTHEALTHSAFETY.COM

Scott Web Site

Scott is pleased to announce additional informational support to you through our web site, at www.scotthealthsafety.com, providing immediate assistance to you. The Scott web site can provide you with valuable information such as:

- Product information for the entire line of Scott products
- Company information and press releases keeping you informed of the latest happenings at Scott
- Scott GOLD product configuration pages to allow you to match the right products and accessories for your requirements
- The ability to download literature for the specific Scott products you need
- Authorized Scott Distributor listing and web links to assist you in obtaining your Scott products
- The latest events and trade shows where Scott participates, bringing information and new products to you

Be sure to check the Scott Health and Safety web site often to learn the latest product and company information as we continue to support your efforts.



SCOTT UNIVERSITY

INFORMATION AND TRAINING SOURCE FOR SCOTT PRODUCTS

University Training

The Scott University is your information and training source for Scott's complete line of health and safety products. The Scott University's objective is to provide progressive educational resources for our distributors and fire and safety professionals who must meet tomorrow's respiratory challenges today. Scott invites you to become part of this winning tradition by continuing your training through the Scott University.

Scott Training Program Certifications

Each person successfully completing a program will be awarded a certificate illustrating this significant accomplishment. Persons successfully completing Technician Level training programs are also given wallet-sized certificates with the appropriate type of Scott service facility logo to identify themselves as Scott Certified Technicians. Certificate requirements vary depending upon the program attended.



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Radel is a registered trademark of AMOCO Polymers, Inc.*

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