

3M™ Scott™ Air-Pak™ XD Options and Accessories Options et accessoires du Air-Pak_{MC} XD Scott_{MC} 3M_{MC}

User Instructions | Guide d'utilisation

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User Instructions

P/N 98-0060-0435-6 draft

3M™ Scott™ Air-Pak™ XD Options and Accessories

IMPORTANT NOTE

Read and understand all instructions before use. These user instructions are to be removed by the end user only.

WARNING

These instructions supplement but do not replace the user instructions supplied with each SCBA.

Safety Information

Read and understand all of the safety information before beginning any of the procedures in these instructions. The following safety directives, warnings, and cautions apply to 3M™ Scott™ Personal Alert Safety System (PASS) and Advanced Electronics SCBA Telemetry System.

Improper use of this equipment may result in serious injury or death. Improper use includes, but is not limited to, use without adequate training, disregarding the warnings and instructions contained herein, and failure to inspect and maintain this equipment. Read and understand all instructions before attempting to operate or service this equipment. The information in this user instruction is meant to supplement — not replace — the instructions, training, supervision, maintenance, and other elements of your organized respiratory protection program.

No Personal Alert Safety System, SCBA, or combination of Personal Alert Safety System and SCBA by themselves can provide complete protection in fire situations. However, using an alarm and an SCBA in accordance with the requirements of an organized respiratory protection program is one of the many safety precautions which should be taken to avoid personal injury or death.

3M™ Scott™ Personal Alert Safety System

WARNING

To reduce the risk associated with fire, explosion, exposure to contaminant, and oxygen-deficient atmosphere which, if not avoided, could result in serious injury or death:

Follow the regular operational inspection procedures exactly. If there are any operational malfunctions, remove the respirator from service and tag for repair by authorized personnel.

Conduct a regular operation inspection of all battery operated devices on this equipment and confirm the batteries are properly installed and the devices function.

Stay alert when operating this equipment. Do not operate this equipment while under the influence of drugs, alcohol, or medication that may affect vision, dexterity, or judgment. The user of this equipment must be in good physical and mental health in order to operate safely. Do not use this equipment when fatigued.

The PASS is an electronic, battery-operated device that may malfunction due to radio frequency interference (RFI), damage to the device, batteries, or device component defect.

The user of the SCBA equipped with PASS and/or SEMS must be trained in the proper operation of the distress alarm and be able to recognize and take corrective action in the event the device malfunctions.

The PASS may malfunction due to radio frequency interference (RFI). See "Radio Frequency Interference (RFI)" and "Detecting and Avoiding Radio Frequency Interference" in these instructions for information and instructions on how to identify RFI sources and associated symptoms due to RFI.

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WARNING

To reduce the risks associated with fire and explosion which, if not avoided, could result in serious injury or death:

Use only batteries from the list provided in these instructions for this equipment. Replace batteries in an area free of flammable gases, vapors and dust.

Make sure the battery compartment on the PASS is properly closed but do not over tighten nor under tighten. Refer to "Battery Replacement" in these instructions.

WARNING

To reduce the risk associated with fire, explosion, and exposure to contaminant which, if not avoided, could result in serious injury or death:

Replace the batteries in the PASS when the low battery alarm sounds. Refer to "Low Battery" in these instructions.

WARNING

To reduce the risks associated with fire, explosion, and exposure to battery chemicals which, if not avoided, could result in serious injury or death:

Do not mix old and new batteries.

Do not mix batteries from different manufacturers.

WARNING

To reduce the risks associated with exposure to contaminant and oxygen-deficient atmosphere which, if not avoided, could result in serious injury or death:

The user must leave the contaminated area at once when the end-of-service time indicator actuates. See the following table for the percentages of the full cylinder pressure (based on SCBA rated service pressure) at which actuation occurs:

Table 1: End-of-Service Time Indicator Actuation Percentage Table

2216 psig	3000 psig	4500 psig	5500 psig
34% ± 2%	33% ± 2%	31% ± 2%	29% ± 2%

CAUTION

To reduce the risks associated with system weight exceeding the approved 35 lbs. limited established by NIOSH which, if not avoided, could result in minor to moderate injury:

Do not use a fiberglass wrapped one-hour cylinder on a model 4.5 Air-Pak equipped with PASS as the weight will exceed the 35-lb approval limit for SCBAs established by NIOSH.

Safety Listings

Compliance

FCC and ISSED Radio Frequency Rules and Regulations

This device complies with Part 15 of the FCC Rules and with ISSED's license-exempt RSS's standards. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
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- (1) l'appareil ne doit pas produire de brouillage, et
 - (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAN ICES-3 (A)/NMB-3(A)

Warning: Changes or modifications to this device shall not be made without the written consent of the 3M Company. Unauthorized modifications may void the authority granted under Federal Communication Rules permitting the operation of this equipment.

SCBA Sensor Module

FCC ID: DGFPD20184602

IC: 458A-PSD20184602

SCBA SEMS 3.0 Console

FCC ID: DGF63361

IC: 458A-63361

SEMS 3.0 Gateway

FCC ID: DGFPD225B

IC: 458A-PSD225B

RF Exposure Information

Electronics Gateway has been tested and meet applicable limits for Radio Frequency (RF) Exposure. They were designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and established permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions specified by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. The tests are performed in positions and locations (e.g., next to the head and body) as required by the FCC for each model. SAR information on this model device is on file with 3M Company.
