

**MES AREA MED LAB
INDUSTRIAL HYGIENE**

2006

**Support and Consumables
Handbook**

6545-01-540-6773

UA 216B

LIN M22714

Semper Responsus

REVISED

January 2013

U.S. Army Medical Materiel Agency

The information contained in this manual was prepared by the

U.S. Army Medical Materiel Agency
Office of PM, Medical Devices
Acquisition Information Division
693 Neiman Street
Fort Detrick, MD 21702-5001

This manual is a living document and may contain inaccuracies due to changes in mission requirements or equipment updates. To report corrections or additions please contact:

Customer Relationship Management
301-619-1288/4301, DSN 343-1288/4301, or at:

USAMMACRM@amedd.army.mil

**For additional equipment item information, visit the
USAMMA Medical Equipment Literature section on the web at
<<http://www.usamma.amedd.army.mil/med equip lit cdroms.cfm>>**

**Review the Master Table of Contents for all of the
published USAMMA Medical Equipment CDs at
<<http://www.usamma.amedd.army.mil/assets/docs/Master%20Table%20of%20Contents.pdf>>**

**You can also order a copy of each published CD by completing and submitting the form at
<<http://www.usamma.amedd.army.mil/CDROM Requests form.cfm>>**

NOTE: CLICK ON TITLE
FOR DIRECT LINK

TABLE OF CONTENTS

SECTION	DEVICE	NSN	PAGE
1	ANALYZER HAZMAT (NEEDS START-UP)	(L) 6665-01-521-4676	1
2	ANALYZER MERCURY VAPOR (NEEDS START-UP)	(L) 6630-01-510-9260	5
3	ANEMOMETER (NEEDS START-UP)	(L) 6680-01-581-5083	9
4	CALIBRATOR AIR LOW FLOW (NEEDS START-UP)	(L) 6640-01-583-9093	13
5	CALIBRATOR AIR MED FLOW (NEEDS START-UP)	(L) 6640-01-583-9099	17
6	CHROMATOGRAPH GAS FIELD (NEEDS START-UP)	(L) 6630-01-582-6524	21
7	DETECTOR GAS (NEEDS START-UP)	(L) 6665-01-600-2935	25
8	DETECTOR GAS KIT MULTIRAE PLUS	(D) 6665-01-536-7280	29
9	METER NOISE LEVEL-IMPULSE INTEGRATING	(L) 6625-01-449-8480	37
10	MONITOR HEAT STRESS	(L) 6630-01-599-7495	43
11	RESPIRATOR BREATHE EASY (AWAITING INFO)	(L) 6530-01-578-8838	47
12	SAMPLER KIT AIR (NEEDS START-UP)	(L) 6665-01-459-1750	55
13	SAMPLER SYSTEM PARTICULATE	(L) 6665-01-541-2405	59
14	SYSTEM HEADSPACE SAMP (NEEDS START-UP)	(L) 6665-01-508-1296	67

Please provide all comments at the website link listed below.
https://ice.disa.mil/index.cfm?fa=card&site_id=750&service_provider_id=102377

Select: EQUIPMENT PUBLICATIONS BUTTON AT TOP OF FORM

ANALYZER HAZMAT (NEEDS START-UP)

[TOC](#)

MANUFACTURER: SMITHS DETECTION - DANBURY

Manufacturer Model# HAZMATID COMMAND

Manufacturer's PHONE: (203) 207-9700 FAX: (203) 207-9780

Manufacturer's Website: <http://www.smithsdetection.com/Danbury.php>

AAC 'L' ITEM NSN 6665-01-521-4676

UAs: 216B, 217B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$89,121.71

System Description: Rugged, field-portable chemical identification equipment requires only a single drop of liquid or a grain of powder for analysis. Results are provided in at least 20 seconds. Analyzer comes with:

- Hardened Pelican shipping case
- Two rechargeable batteries for up to four hours field use
- Keyboard and mouse
- 3-year Partnership Program*
- Training
- Laptop and software
- USB CD-R/RW for data archival and upgrades

Laptops have a maximum of three years warranty per the manufacturer and cannot be extended with the purchase of additional Smiths Detection Partnership Programs.

- Features:**
- Enhanced mixture analysis with optimized algorithms for contaminated samples
 - Chemical classification tools
 - Integrated PEAC® Decision Support System
 - On-site training at customer facility
 - Aldrich Priority Materials Library option
 - Enhanced Bluetooth Wireless Capability

*** PARTNERSHIP PROGRAM**

- Software updates
- All parts and labor for repairs or updates
- Free loaner system delivered overnight if system must return to factory
- Annual one-day on-site refresher training
- ReachBackID™: 24/7/365 access to Ph.D. chemists, engineers, and application scientists for spectral interpretation assistance and/or technical support



**ANALYZER HAZARDOUS MATERIAL
PART # HazMatID COMMAND
NSN 6665015214676**

**ANALYZER HAZMAT (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	7
	Width (Inches)	11
	Length (Inches)	18
	Cube (Cubic Feet)	0.8021
	Weight	
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	12 VDC or 115/240 VAC, 50/60 Hz	
Notes		

**ANALYZER HAZMAT (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Smiths Detection - Danbury	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665015214676		Analyzer HazMat (Needs Start-up)	HazMatID COMMAN D		1	EA	\$89,121.71	\$89,121.71	N/A

**ANALYZER HAZMAT (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

ANALYZER MERCURY VAPOR (NEEDS START-UP)

TOC

MANUFACTURER: ARIZONA INSTRUMENT LLC

Manufacturer Model# 431-X

Manufacturer's PHONE: (602) 470-1414 FAX: (602) 281-1745

Manufacturer's Website: <http://www.azic.com/>

AAC 'L' ITEM NSN 6630-01-510-9260

UAs: 216B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$14,191.21

System Description: For mercury vapor analysis, the industry proven hand-held Jerome® 431-X utilizes a patented, gold-sensor technology to detect vapor concentrations from as low as 0.003 mg/m³ to as high as 0.999 mg/m³ in just 13 seconds.

- Features:**
- Rugged design/Easy to operate
 - Inherently stable gold film sensor
 - Pressure sensitive membrane switch operation
 - Accurate analysis of mercury vapor in seconds
 - Rechargeable internal battery pack for portability
 - Wide detection range allows for multiple applications
 - Automatic LCD backlight during low light conditions
 - Survey mode for rapid source detection of mercury vapor concentrations
 - Microprocessor ensures a linear response throughout the entire range of the sensor
 - Optional Data Logging/Optional Software
 - Functional Test Kit (FTK) verifies instrument functions correctly between recommended annual factory calibrations

**ANALYZER MERCURY VAPOR (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	4
	Width (Inches)	6
	Length (Inches)	13
	Cube (Cubic Feet)	0.1806
	Weight	7 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		32 to 104 °F (0 to 40 °C)
Storage Humidity		Non-condensing
Operating Humidity		
Amps		1
Watts		120
Power Requirements	100-120 or 220-240 VAC, 50/60 Hz; Internal rechargeable NiCd battery pack	
Notes	<p>Range: 0.001 to 0.999 mg/m³ Sensitivity: 0.003 mg/m³ Hg Precision: 5% relative standard deviation at 0.100 mg/m³ Hg Accuracy: ±5% at 0.100 mg/m³ Hg Response time-sample mode: 12 seconds Response time-survey mode: 3 seconds Flow rate: 750 ± 50 mL/min Fuse: F1A 250V, 5mm X 20mm Case construction: Aluminum alloy Digital meter display: Liquid crystal display (LCD)</p>	

**ANALYZER MERCURY VAPOR (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Arizona Instrument LLC	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6630015109260		Analyzer Mercury Vapor (Needs Start-up)	431-X		1	EA	\$14,191.21	\$14,191.21	N/A

**ANALYZER MERCURY VAPOR (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

**ANALYZER MERCURY VAPOR (NEEDS START-UP)
WEB LINKS**

[Click Below for Operation Manual](#)

<[http://www.azic.com/downloads/manuals/700-0046%20\(jerome\)%20431-x%20mercury%20vapor%20analyzer%20user's%20manual.pdf](http://www.azic.com/downloads/manuals/700-0046%20(jerome)%20431-x%20mercury%20vapor%20analyzer%20user's%20manual.pdf)>

ANEMOMETER (NEEDS START-UP)

TOC

MANUFACTURER: ALNOR INSTRUMENT CO.

Manufacturer Model# AVM440-A

Manufacturer's PHONE: (651) 490-2811 FAX: (651) 490-3824

Manufacturer's Website: <http://www.alnor-usa.com>

Item Web Link:

**[http://www.alnor-usa.com/iframe.pdf.php?url=Anemometers_AVM430-440_Alnor.pdf&def=AVM440-A
VELOMETER THERMAL ANEMOMETER](http://www.alnor-usa.com/iframe.pdf.php?url=Anemometers_AVM430-440_Alnor.pdf&def=AVM440-A_VELOMETER_THERMAL_ANEMOMETER)**

AAC 'L' ITEM NSN 6680-01-581-5083

UAs: 216B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$1,345.00

System Description: This model is like having multiple meters for the price of one, yet simple to operate. Unit requires very little maintenance to keep it performing well.

- Features:**
- Accurate air velocity measurement
 - Simultaneously measures temperature and velocity
 - Displays up to three measurements
 - Measures humidity
 - Articulated probe versions available
 - Calculates volumetric flow, and actual/standard velocity
 - Data logging and LogDat2 downloading software included



**ANEMOMETER 0 TO 6000 FEET PER MINUTE
PART # AVM440-A
NSN 6680015815083**

**ANEMOMETER (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	1.8
	Width (Inches)	7
	Length (Inches)	3.3
	Cube (Cubic Feet)	0.0241
	Weight	0.6 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		-4 to 140 °F
Operating Temp		40 to 113 °F
Storage Humidity		
Operating Humidity		Up to 80%, Non-condensing
Amps		
Watts		
Power Requirements	Four AA-size batteries	
Notes		

**ANEMOMETER (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

**ANEMOMETER (NEEDS START-UP)
WEB LINKS**

[Click Below for Literature, Operator Manual](#)

<http://www.alnor-usa.com/iframe.pdf.php?url=Anemometers_AVM430-440_Alnor.pdf&def=AVM440-A VELOMETER THERMAL ANEMOMETER>

CALIBRATOR AIR LOW FLOW (NEEDS START-UP)

TOC

MANUFACTURER: BIOS INTERNATIONAL

Manufacturer Model# 200-530L

Manufacturer's PHONE: (973) 492-8400 FAX: (973) 492-8270

Manufacturer's Website: <http://www.biosint.com>

Item Web Link:

<http://www.biosint.com/Products/defender.php>

AAC 'L' ITEM NSN 6640-01-583-9093

UAs: 216B, 218B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$1,809.23

System Description: Primary standard pump calibrator; designed for occupational health and safety industry; senses ambient temperature, pressure, and standardized calibration readings; used for accurate calibration of personal air samplers and other volumetric instruments.

- Features:**
- Flow range: 5 to 500 mL/min
 - Rated accuracy: $\pm 1\%$ of reading volumetric, $\pm 1.2\%$ of reading standardized
 - Includes:
 - Bios optimizer software CD
 - PC serial cable
 - Plastic leak test caps (2)
 - NIST-traceable calibration certificate
 - Manual



**CALBRATOR AIR SAMPLING LOW FLOW
PART # 200-530L
NSN 6640015839093**

**CALIBRATOR AIR LOW FLOW (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	3
	Width (Inches)	6
	Length (Inches)	5.5
	Cube (Cubic Feet)	0.0573
	Weight	29 oz
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	100-240 VAC; U.S. power adapter/charger, 12 VDC, >250mA, 2.5 mm, center positive	
Notes		

**CALIBRATOR AIR LOW FLOW (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Bios International	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015839093		Calibrator Air Low Flow (Needs Start-up)	200-530L		1	EA	\$1,809.23	\$1,809.23	N/A
	Awaiting NSN	AC Power Adapter/Charger, 12 VDC, 250 mA	100-224		1	EA	Incl w/NSN 9093	Incl w/NSN 9093	N/A
	Awaiting NSN	Battery 6V Rechargeable, Sealed Lead Acid	100-203		1	EA	Incl w/NSN 9093	Incl w/NSN 9093	36
	Awaiting NSN	Bios Optimizer Collect Light Software CD PC Serial Cable	100-113		1	EA	Incl w/NSN 9093	Incl w/NSN 9093	N/A
	Awaiting NSN; See Additional Note Below	Leak Test Cap	100-413		2	EA	Incl w/NSN 9093	Incl w/NSN 9093	N/A
NSN Not Required		Calibration Certificate User Manual	MK01-135 REV A		1	EA	Incl w/NSN 9093	Incl w/NSN 9093	N/A

**CALIBRATOR AIR LOW FLOW (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Bios International	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	AC Power Adapter/Charger, 12 VDC, 250 mA	100-224		1	EA	\$50.00	\$50.00	N/A
	Awaiting NSN	Battery 6V Rechargeable, Sealed Lead Acid	100-203		1	EA	\$25.00	\$25.00	36
	Awaiting NSN	Bios Optimizer Collect Light Software CD PC Serial Cable	100-113		1	EA	\$10.00	\$10.00	N/A
	Awaiting NSN; See Additional Note Below	Leak Test Cap	100-413		1	10/PG	\$7.00	\$7.00	N/A

**CALIBRATOR AIR LOW FLOW (NEEDS START-UP)
ADDITIONAL NOTE:**

Start-up quantity or unit of issue is different from Resupply quantity/unit of issue.

**CALIBRATOR AIR LOW FLOW (NEEDS START-UP)
WEB LINKS**

[Click Below for User Manual](#)

http://www.biosint.com/pdf/Bios_Defender530_Manual.pdf

CALIBRATOR AIR MED FLOW (NEEDS START-UP)

TOC

MANUFACTURER: BIOS INTERNATIONAL

Manufacturer Model# 200-530M

Manufacturer's PHONE: (973) 492-8400 FAX: (973) 492-8270

Manufacturer's Website: <http://www.biosint.com>

Item Web Link:

<http://www.biosint.com/Products/defender.php>

AAC 'L' ITEM NSN 6640-01-583-9099

UAs: 216B, 218B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$1,809.23

System Description: Primary standard pump calibrator designed for occupational health and safety industry. Senses ambient temperature and pressure and standardized calibration readings. Used for accurate calibration of personal air samplers and other volumetric instruments.

- Features:**
- Flow range: 50 to 5000 mL/min
 - Rated accuracy: $\pm 1\%$ of reading volumetric, $\pm 1.2\%$ of reading standardized
 - Includes:
 - Bios optimizer software CD
 - PC serial cable
 - Plastic leak test caps (2)
 - NIST-traceable calibration certificate
 - Manual



**CALIBRATOR AIR SAMPLING
PART # 200-530M
NSN 6640015839099**

**CALIBRATOR AIR MED FLOW (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	3
	Width (Inches)	6
	Length (Inches)	5.5
	Cube (Cubic Feet)	0.0573
	Weight	29 oz
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	100-240 VAC, U.S. power adapter/charger	
Notes		

**CALIBRATOR AIR MED FLOW (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Bios Internation al	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015839099		Calibrator Air Med Flow (Needs Start-up)			1	EA	\$1,809.23	\$1,809.23	N/A

**CALIBRATOR AIR MED FLOW (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

**CALIBRATOR AIR MED FLOW (NEEDS START-UP)
WEB LINKS**

[Click Below for Umanual](#)

http://www.biosint.com/pdf/Bios_Defender530_Manual.pdf

CHROMATOGRAPH GAS FIELD (NEEDS START-UP)

TOC

MANUFACTURER: IFICON, INC

Manufacturer's PHONE: (315) 434-1100 FAX: (315) 437-3803

Manufacturer's Website: <http://www.inficon.com/en/index.html>

AAC 'L' ITEM NSN 6630-01-582-6524

UAs: 216B, 217B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$116,744.82

System Description: Chromatograph Gas Field Portable

**CHROMATOGRAPH GAS FIELD (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	7
	Width (Inches)	18
	Length (Inches)	17
	Cube (Cubic Feet)	1.2396
	Weight	
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		30
Power Requirements	Needs Input	
Notes		

**CHROMATOGRAPH GAS FIELD (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Ificon, Inc	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6630015826524		Chromatograph Gas Field (Needs Start-up)			1	EA	\$116,744.82	\$116,744.82	N/A

**CHROMATOGRAPH GAS FIELD (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

DETECTOR GAS (NEEDS START-UP)

[TOC](#)

MANUFACTURER: INDUSTRIAL SCIENTIFIC CORPORATION

Manufacturer Model# MX6KIT-K1230211

Manufacturer's PHONE: (412) 788-4353 FAX: (412) 788-8353

Manufacturer's Website: <http://www.indsci.com/offices/>

Item Web Link:

<http://www.indsci.com/mx6-confined-space-kit/>

AAC 'L' ITEM NSN 6665-01-600-2935

UAs: 216B, 217B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$2,569.37

System Description: Hand-held, dockable multi-gas monitor; monitors six ambient gases. Includes:

- Monitor
- Universal charger
- Nylon carrying case
- Belt clip
- Calibration cup
- Wrist strap
- Maintenance tool
- Manual, quick-start guide
- Calibration tubing (aspirated)
- Calibration gas (appropriate mix) with regulator
- Spare replaceable alkaline cell battery pack
- Rugged Pelican® case

- Features:**
- Five temperature compensated sensors
 - Combustible gas/Methane – Catalytic Diffusion/Infrared
 - Oxygen – Electrochemical
 - Toxic gases – Electrochemical
 - CO2 – Infrared
 - VOCs – 10.6 eV PhotoIonization
 - Visual alarm
 - Color LCD display
 - IR communications port
 - 5-way navigation button
 - Audio indicator
 - Vibrating alarm

NOTE: This unit with compressed gas cylinders must ship as HazMat.



GAS DETECTOR KIT
PART # MX6KIT-K1230211
NSN 6665016002935

■ The World's First Gas Monitor with a Full-Color Display



DETECTOR GAS
PART # MX6KIT-K1230211
NSN 6665016002935

**DETECTOR GAS (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	1.7
	Width (Inches)	3.05
	Length (Inches)	5.3
	Cube (Cubic Feet)	0.0159
	Weight	14.25 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		-4 to 131 °F
Storage Humidity		
Operating Humidity		15 to 95% Non-condensing
Amps		
Watts		
Power Requirements	Rechargeable Lithium-ion (Li-Ion) Battery Pack and Replaceable (3 AA Alkaline) Battery Pack	
Notes	<p>(A) Replaceable alkaline battery pack, P/N 1713-1046-6, consisting of three each of either of the following 1.5 V battery types: Duracell MN 1500 or Rayovac LR6.</p> <ul style="list-style-type: none"> • Do not mix batteries from different manufacturers. • Batteries must be replaced in fresh air. • Replace all batteries at the same time. <p>(B) Rechargeable lithium-ion battery pack P/N 1713-1038-4, or -5, containing two or three 3.6V, 1.8 amp-hour Lithium Batteries.</p> <ul style="list-style-type: none"> • The lithium-ion cells are not user-replaceable. • The lithium-ion pack must be charged in fresh air only. 	

**DETECTOR GAS (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Industrial Scientific Corporatio n	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665016002935		Detector Gas (Needs Start-up)	MX6KIT-K1230211		1	EA	\$2,569.37	\$2,569.37	N/A

**DETECTOR GAS (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

**DETECTOR GAS (NEEDS START-UP)
WEB LINKS**

[Click Below for Product Brochure](#)

www.indsci.com/docs/literature/MX6_iBrid_Lit.pdf

DETECTOR GAS KIT MULTIRAE PLUS

[TOC](#)

DISTRIBUTOR: SAFEWARE, INC.

MANUFACTURER: RAE SYSTEMS

Manufacturer Model# 009-3231-016

Distributor's PHONE: (804) 226-9822 FAX: (804) 226-0987

Manufacturer's PHONE: (408) 952-8200 FAX: (408) 952-8480

Distributor's Website: <http://www.SafewareInc.com>

Manufacturer's Website: <http://www.RAEsystems.com>

Item Web Link:

<http://www.raesystems.com/products/multirae-plus>

AAC 'D' ITEM NSN 6665-01-536-7280

UAs: 109A, 216B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$4,357.28

System Description: This unit combines a PID (Photoionization Detector) with the standard four gases of a confined space monitor - O₂, LEL (Lower Explosion Limit), and two toxic gas sensors - in one compact monitor with sampling pump. This unit is quickly and easily changed from a sophisticated technician instrument to a simple text-only monitor. The same monitor can be used as a personal monitor, a hand-held sniffer, or as a continuous operational area monitor.

- Features:**
- O₂, LEL, PID, and two plug-in “smart” toxic sensors: CO and SO₂.
 - 0-2,000 ppm (parts per million) measurement of VOCs (volatile organic compounds) with 0.1 ppm resolution.
 - Over 60 correction factors built into the MultiRAE Plus memory and the largest printed list of correction factors in the world (300+).
 - Drop-in Battery: When more than the 14 hours supplied by the advanced Lithium ion (Li-ion) battery is required, the drop-in alkaline pack supplied with every MultiRAE Plus allows you to finish the job.
 - Rugged Rubber Boot assures that the MultiRAE Plus survives tough field use.
 - Strong, built-in sample pump draws up to 100 feet (30m) horizontally or vertically.
 - Large external filter and automatic low flow alarm protect the MultiRAE Plus.
 - Large keys are operable even with 3 layers of gloves.
 - Easy-to-read display with backlight.
 - Store up to 80 hours of data at one minute intervals for all 5 sensors for download to PC (with the optional datalogging).
 - Loud audible alarm that varies for different alarm conditions and an optional external vibration alarm for noisy areas.

NOTE: To be used with Calibration Gas Kit, NSN 6665-01-526-8844. The Gas Detector, along with the Calibration Kit, must ship as HazMat. The Gas Detector by itself does not ship as HazMat.



**DETECTOR, GAS KIT MULTIRAE PLUS
PART # 009-3231-010
NSN 6665015367280**



**CALIBRATING GAS CYLINDER
PART # 600-0136-000
NSN 6830015814149**

**DETECTOR GAS KIT MULTIRAE PLUS
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	13
	Width (Inches)	18.5
	Length (Inches)	6.5
	Cube (Cubic Feet)	0.9047
	Weight	18 lbs
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		
Operating Temp		-4 to 113 °F
Storage Humidity		0 to 95%
Operating Humidity		
Amps		
Watts		
Power Requirements	Rechargeable Lithium-Ion battery pack, spare alkaline battery pack (uses 4 AA alkaline batteries, non-rechargeable, for emergency use) included, 120-230 V AC/DC adapter (12 VDC)	
Notes	Unit Height: 1.9 inches Unit Width: 4.65 inches Unit Depth: 3 inches Unit Cube: 0.015 cu. ft. Unit Weight: 3 lbs including battery	

**DETECTOR GAS KIT MULTIRAE PLUS
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN RAE Systems	DIST PN Safeware, Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665015367280		Detector Gas Kit MultiRAE Plus		009-3231- 016	1	EA	\$4,357.28	\$4,357.28	N/A
3655014600148		Gas Isobutylene, 34L (REQUIRES Female Regulator)	600-0002- 000		1	CY	Incl w/NSN 7280	Incl w/NSN 7280	N/A
4240015203770		Filters, Charcoal	008-3006- 005		1	5/PG	Incl w/NSN 7280	Incl w/NSN 7280	N/A
4820015207264		Regulator Male C10 w/Adapters, 1LPM for 3 Gas Cal Mix	007-3021- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
4820015300688		Regulator Female CGA 600 w/Adapters, 0.5LPM, for Isobutylene Gas	002-3011- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6150015120727		Cable Computer Interface	008-3003- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6160014936653		Battery Adapter Alkaline	500-0029- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6515015203766		Case, Hard Transport	002-3009- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6515015204628		Probe, Remote Sampling w/Coiled Teflon Tubing	008-3015- 200		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6665015204630		Probe Inlet w/3" Teflon Tubing	008-3012- 001		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6665015204632		Calibration Adapter, PGM 50	008-3016- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6665015204633		Filters, External	008-3022- 003		1	3/PG	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6665015571577		MultiRAE Plus w/10.6 PID	009-3231- 010		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6665015693643		Battery Charger for Li Ion Battery	500-0036- 100		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
6830015814149		Calibration Gas 3-Gas Mix 34 Liter Steel Cylinder	600-0136- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
NSN Not Required		Literature, Operator	008-4022- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
NSN Not Required		Software Package, ProRAE Suite, for MS Windows	000-5001- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
NSN Not Required	See Table Below for Tool Kit Contents	Tool Kit	081-0005- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A
NSN Not Required		Training CD	008-4013- 000		1	EA	Incl w/NSN 7280	Incl w/NSN 7280	N/A

**DETECTOR GAS KIT MULTIRAE PLUS
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN RAE Systems	DIST PN Safeware, Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
3655014600148		Gas Isobutylene, 34L (REQUIRES Female	600-0002- 000		1	CY	\$65.00	\$65.00	N/A

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN RAE Systems	DIST PN Safeware, Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
		Regulator)							
4240015203770		Filters, Charcoal	008-3006-005		1	5/PG	\$9.00	\$9.00	N/A
4820015207264		Regulator Male C10 w/Adapters, 1LPM for 3 Gas Cal Mix	007-3021-000		1	EA	\$139.75	\$139.75	N/A
4820015300688		Regulator Female CGA 600 w/Adapters, 0.5LPM, for Isobutylene Gas	002-3011-000		1	EA	\$155.00	\$155.00	N/A
6130015120733		Battery Pack, Rechargeable Li Ion	500-0037-100		1	EA	\$200.00	\$200.00	N/A
6135009857845		Battery Non-Rechargeable Alkaline 1.5V AA Cell	W-B-101 CL12		1	24/PG	\$41.60	\$41.60	36
6150015120727		Cable Computer Interface	008-3003-000		1	EA	\$40.00	\$40.00	N/A
6160014936653		Battery Adapter Alkaline	500-0029-000		1	EA	\$12.00	\$12.00	N/A
6515015203766		Case, Hard Transport	002-3009-000		1	EA	\$150.00	\$150.00	N/A
6515015204628		Probe, Remote Sampling w/Coiled Teflon Tubing	008-3015-200		1	EA	\$90.00	\$90.00	N/A
6665011900044		Bag, Toxic Gas-Vapor Detector Kit, Heavy Duty	2417540		1	EA	\$65.88	\$65.88	N/A
6665011907159		Toxic Gas-Vapor Detector Kit Positive Displacement Pump	830-0001-01		1	EA	\$255.29	\$255.29	N/A
6665011917229		Detector Gas Carbon Monoxide Measuring Range 8-1000 ppm 10S	1LA		1	10/PG	\$96.89	\$96.89	12
6665011918963		Hose Extension Toxic Gas-Vapor Sampling 15 feet	2417542-2		1	15 FT/RO	\$101.20	\$101.20	N/A
6665012048173		Detector Gas Ammonia Measuring Range 0.5-78 ppm	3L		1	10/PG	\$60.77	\$60.77	36
6665012048174		Detector Gas Hydrogen Sulfide Measuring Range 0.25-120 ppm	4LL		1	10/PG	\$96.89	\$96.89	36
6665012048175		Detector Gas Sulfur Dioxide Measuring Range 0.5-60 ppm	5LA		1	10/PG	\$27.50	\$27.50	36
6665012052343		Detector Gas Ethylene Oxide Tube Measuring Range 0.4-100 ppm	163L		1	10/PG	\$60.77	\$60.77	12
6665012052344		Detector Gas Gasoline Measuring Range 0.015-1.2%	101		1	10/PG	\$96.89	\$96.89	36
6665012052353		Detector Gas Hydrogen Cyanide Measuring Range 0.36-120 ppm	12L		1	10/PG	\$96.89	\$96.89	24
6665012052354		Detector Gas Hydrogen Chloride Measuring Range 0.2-40 ppm	14L		1	10/PG	\$96.89	\$96.89	36
6665012078200		Detector Gas Phosgene Measuring Range 0.05-20 ppm	16		1	10/PG	\$96.89	\$96.89	N/A

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN RAE Systems	DIST PN Safeware, Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014560214		Detector Gas Hydrogen Fluoride Measuring Range 0.25-100 ppm	17		1	10/PG	\$27.39	\$27.39	24
6665014560722		Detector Gas Hydrocarbon High Class Measuring Range 100-3000 ppm	105		1	10/PG	\$88.33	\$88.33	24
6665015123018		Detector Gas Chlorine Glass Tube 1-2 Strokes 10S	8LL		1	10/PG	\$78.00	\$78.00	12
6665015123685		Detector Gas Nitrogen Oxide Glass Tube 1-2 Strokes 0.5-30 ppm 10S	175U		1	10/PG	\$45.00	\$45.00	12
6665015204630		Probe Inlet w/3" Teflon Tubing	008-3012-001		1	EA	\$10.00	\$10.00	N/A
6665015204632		Calibration Adapter, PGM 50	008-3016-000		1	EA	\$10.00	\$10.00	N/A
6665015204633		Filters, External	008-3022-003		1	3/PG	\$10.00	\$10.00	N/A
6665015571577		MultiRAE Plus w/10.6 PID	009-3231-010		1	EA	\$3,485.00	\$3,485.00	N/A
6665015691560		Battery Pack, Rechargeable Li Ion	500-0037-000		1	EA	\$250.00	\$250.00	N/A
6665015693643		Battery Charger for Li Ion Battery	500-0036-100		1	EA	\$35.00	\$35.00	N/A
6830015814149		Calibration Gas 3-Gas Mix 34 Liter Steel Cylinder	600-0136-000		1	EA	\$78.00	\$78.00	N/A
NSN Not Required		Boot Housing, Rubber w/Belt Clip	008-3042-001		1	EA	\$65.00	\$65.00	N/A
NSN Not Required		Literature, Operator	008-4022-000		1	EA	\$10.00	\$10.00	N/A
NSN Not Required		Software Package, ProRAE Suite, for MS Windows	000-5001-000		1	EA	\$30.00	\$30.00	N/A
NSN Not Required	See Table Below for Tool Kit Contents	Tool Kit	081-0005-000		1	EA	\$20.00	\$20.00	N/A
NSN Not Required		Training CD	008-4013-000		1	EA	\$25.00	\$25.00	N/A

DETECTOR GAS KIT MULTIRAE PLUS

ADDITIONAL NOTE:

To be used with Calibration Gas Kit, NSN 6665-01-526-8844. This unit plus Kit must ship as HazMat.

DETECTOR GAS KIT MULTIRAE PLUS

WEB LINKS

[Click Below for Online RAE Parts Store](https://istore.raesystems.com/OA_HTML/ibeCZzpHome.jsp)

[<https://istore.raesystems.com/OA_HTML/ibeCZzpHome.jsp>](https://istore.raesystems.com/OA_HTML/ibeCZzpHome.jsp)

DETECTOR GAS KIT MULTIRAE PLUS

ITEM TABLES

Picture Legend

Ref #	Part	Part Number
1	Hard transport case	002-3009-000
2	Detector, gas MultiRAE Plus	009-3231-010
2	Rubber boot housing w/belt clip	008-3042-001
2	Rechargeable Li-Ion battery pack	500-0037-100
3	Alkaline battery adapter	500-0029-000
4	AC/DC wall adapter	500-0036-100
5	Calibration adapter, PGM 50	008-3016-000
5	External filters	008-3022-003
5	Inlet probe	008-3012-001
5	Charcoal filters	008-3006-005
6	Training CD	008-4013-000
6	ProRAE Suite software package, for MS Windows 95, 98, 2000, NT, ME & XP	000-5001-000
7	User manual	008-4022-000
8	Remote sampling probe w/ coiled Teflon tubing	008-3015-200
9	Tool kit	081-0005-000
10	Calibration 3-gas mix/ O2, LEL Methane, CO (requires male regulator)	600-0136-000
10	Calibration gas, Isobutylene, 34L (requires female regulator)	600-0002-000
11	Regulators w/tubing (male) for 3-gas calibration mix	007-3021-000
11	Regulators w/tubing (female) for Isobutylene gas	002-3011-000
12	Computer interface cable	008-3003-000

Tool Kit, P/N 081-0005-000, Contents

Item	Qty
Large Phillips Screwdriver # 4	1 EA
Small Phillips Screwdriver # 4	1 EA
Slotted Screwdriver	1 EA
Extractor, EX-1	1 EA
Case	1 EA

METER NOISE LEVEL-IMPULSE INTEGRATING

[TOC](#)

MANUFACTURER: QUEST TECHNOLOGIES

Manufacturer Model# 2200-10

Manufacturer's PHONE: (262) 567-9157 FAX: (262) 567-4047

Manufacturer's Website: <http://www.quest-technologies.com>

Item Web Link:

http://questtechnologies.com/Products/SoundPatrol-DP_61.aspx

AAC 'L' ITEM NSN 6625-01-449-8480

UAs: 109A, 216B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$1,477.73

System Description: The db-2200 offers superior noise measurement and analysis. This Type 2 meter provides five operating modes and calibration is as simple as the press of a button. The large liquid crystal display provides up-to-the-second reading in 0.1 dB (decibel) increments as well as a low battery condition. The slide switches make the meters extremely easy to operate even while wearing gloves. The molded polymer case is lightweight and compact in size. Great portability makes the db-2200 the perfect choice for many applications. Includes WS-7 windscreen and QC-10 calibrator with adapter.

- Features:**
- 30 to 140 dBA (decibels acoustic) measurement range
 - Fast, slow, peak & impulse response modes
 - "A," "C," and "Z" (linear) weighting modes
 - Selectable 3 & 5 dB exchange rates
 - Displays SPL (sound pressure level), LEQ (equivalent continuous noise level), run time, maximum SPL, minimum SPL, and overload percentage
 - Low battery indicator
 - Simple one-button field calibration
 - Tough, RFI- (radio frequency interference-) shielded construction
 - Approx. 25 hours operation per battery
 - AC/DC output jack for recorders
 - Certified intrinsically safe



**QC-10 and QC-20
Sound Calibrators**

Operator's Manual



**1200/2200
Sound Level Meters**

Operator's Manual



**METER NOISE LEVEL IMPULSE INTEGRATING
PART # 2200-10
NSN 6625014498480**



NOISE METER ONLY



NOISE METER CASE



**NOISE METER CALIBRATOR
PART # QC-10
NSN 6625014627721**

**METER NOISE LEVEL-IMPULSE INTEGRATING
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	1.3
	Width (Inches)	2.8
	Length (Inches)	7
	Cube (Cubic Feet)	0.0147
	Weight	10.3 ounces
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	2 lbs
Storage Temp		-4 to 140 °F
Operating Temp		14 to 122 °F
Storage Humidity		5 to 90% RH, Non-condensing
Operating Humidity		20 to 85% RH, Non-condensing
Amps		
Watts		
Power Requirements	9 VDC	
Notes	<p>Measurement Range:</p> <ul style="list-style-type: none"> ● 30 to 140 dBA ● 40 to 140 dBC ● 43 to 143 dBA Peak <p>Standards:</p> <ul style="list-style-type: none"> ● Type 2, ANSI S1.4-1983 (R1997) ● IEC60651-1979 EN60651 ● IEC 60804-1985 ● CE Mark ● UL ● CSA ● EEx Pending: MSHA 2G 	

**METER NOISE LEVEL-IMPULSE INTEGRATING
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Quest Technologi es	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6625014498480		Meter Noise Level-Impulse Integrating	2200-10		1	EA	\$1,477.73	\$1,477.73	N/A
5965015834993		Windscreen	WS-7		1	3/PG	Incl w/NSN 8480	Incl w/NSN 8480	N/A
6625014627721		Calibrator Frequency	QC-10		1	EA	Incl w/NSN 8480	Incl w/NSN 8480	N/A
6625015834742		Calibrator Adapter	56-990		1	EA	Incl w/NSN 8480	Incl w/NSN 8480	N/A
6625015834943		Case, Molded Polymer	059-533		1	EA	Incl w/NSN 8480	Incl w/NSN 8480	N/A
NSN Not Required	Download Below	Literature, Instructions			1	EA	Incl w/NSN 8480	Incl w/NSN 8480	N/A

**METER NOISE LEVEL-IMPULSE INTEGRATING
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Quest Technologi es	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
5965015834993		Windscreen	WS-7		1	3/PG	\$40.00	\$40.00	N/A
6135009002139		Battery, Non-Rechargeable Alkaline 9.0V Snap-On Rect 12S	6417		1	12/PG	\$10.70	\$10.70	36
6625014627721		Calibrator Frequency	QC-10		1	EA	\$381.56	\$381.56	N/A
6625015834742		Calibrator Adapter	56-990		1	EA	\$35.00	\$35.00	N/A
6625015834943		Case, Molded Polymer	059-533		1	EA	\$89.03	\$89.03	N/A

**METER NOISE LEVEL-IMPULSE INTEGRATING
ADDITIONAL NOTE:**

Click for Spec Sheet: <http://metrosonics.com/PDFs/brochures/slm/db2200.pdf>

Click for current Software/Firmware Revisions: http://metrosonics.com/Support/rev_list.htm

**METER NOISE LEVEL-IMPULSE INTEGRATING
WEB LINKS**

[Click Below for Operator Manual](#)

<http://www.metrosonics.com/PDFs/manuals/noise/db2200_Manual.pdf>

MONITOR HEAT STRESS

TOC

MANUFACTURER: INTERNATIONAL TECHNOLOGIES TRADING COMPANY

Manufacturer's PHONE: (301) 984-3254 FAX:

Manufacturer's Website: <http://start.cortera.com/company/research/k3p3rxq5s/international-technologies-trading-co/>

AAC 'L' ITEM NSN 6630-01-599-7495

UAs: 216B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$2,295.00

System Description: Needs info

**MONITOR HEAT STRESS
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	Needs info	
Notes		

**MONITOR HEAT STRESS
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Internation al Technologi es Trading Company	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6630015997495		Monitor Heat Stress			1	EA	\$2,295.00	\$2,295.00	N/A

**MONITOR HEAT STRESS
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

RESPIRATOR BREATHE EASY (AWAITING INFO)

TOC

MANUFACTURER: 3M

Manufacturer Model# 520-17-00

Manufacturer's PHONE: (651) 737-6501 FAX: (651) 733-9973

Manufacturer's Website: <http://www.3m.com>

AAC 'L' ITEM NSN 6530-01-578-8838

UAs: 214B, 215B, 216B, 220B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$365.22

System Description: The Breathe Easy powered air purifying respirator (PAPR) features an all-in-one design that provides both comfort and safety. It is a lightweight, easy-to-use solution to respiratory protection where particulate contaminants exist. Belt-mounted PAPRs provide all the features of powered air purifying respirators: increased wearer comfort, no fit test requirements for certain headgear, and compatibility with glasses.



RESPIRATOR BREATHE EASY TURBO BELT MOUNT
PART # 520-17-00
NSN 6530015788838



INDICATOR, AIRFLOW
PART # 520-014-21
NSN 6530015794012



**BATTERY, NICD
PART # BP-1715
NSN 6140015794083**



**CHARGER BATTERY
PART # 520-03-72
NSN 6510014649558
Found in UA Support**



**HOSE ASSEMBLY AIR BREATHING
PART # BE-224
NSN 4240014186096
Found in UA Support**



**FILTER RESPIRATOR AIR FILTERING 6S
PART # 453-03-01R06
NSN 4240014772020
Found in UA Support**



**HOOD RESPIRATOR, SIZE REGULAR 3S
PART # BE-12-3
NSN 4240014183012
Found in UA Support**



**HOOD RESPIRATOR WHITE POLYCOATED TYVEK LARGE E.I.AIR MATE HEPA12
PART # BE-12L-3
NSN 4240014182986
Found in UA Support**

**RESPIRATOR BREATHE EASY (AWAITING INFO)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	Rechargeable NiCd Battery Pack	
Notes	Filtration Capability: High-Efficiency and Chemical Cartridge Intrinsically Safe: Yes Mission Type: Aircraft, Ships, Vehicles Operation Type: Facility Safety, Maintenance, Repair & Operations, Overhaul	

**RESPIRATOR BREATHE EASY (AWAITING INFO)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN 3M	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530015788838		Respirator Breathe Easy (Awaiting Info)	520-17-00		1	EA	\$365.22	\$365.22	
4240014772020	See Additional Note Below	Filter Respirator Air Filtering 6s	453-03- 01R06		3	EA	Incl w/NSN 8838	Incl w/NSN 8838	N/A
6140015794083		Battery, NiCd	BP-17IS		1	EA	Incl w/NSN 8838	Incl w/NSN 8838	N/A
6530014598422		Respirator Turbo Unit	022-00- 03R01		1	EA	Incl w/NSN 8838	Incl w/NSN 8838	N/A
6530015794012		Indicator, Airflow	520-01-21		1	EA	Incl w/NSN 8838	Incl w/NSN 8838	N/A
NSN Not Required		Belt	520-02- 90R01		1	EA	Incl w/NSN 8838	Incl w/NSN 8838	N/A

RESPIRATOR BREATHE EASY (AWAITING INFO)

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM

NSN	Notes	Nomenclature	MFR PN 3M	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
4240014182986		Hood Respirator White Polycoated TYVEK Large E.I.Airmate HEPA12	BE-12L-3		4	PG	\$61.27	\$245.08	N/A
4240014183012		Hood Respirator 3s	BE-12-3		4	PG	\$57.69	\$230.76	N/A
4240014186096		Hose Assembly Air Breathing	BE-224		4	AY	\$19.69	\$78.76	N/A

RESPIRATOR BREATHE EASY (AWAITING INFO)

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN 3M	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
4240014772020	See Additional Note Below	Filter Respirator Air Filtering 6s	453-03- 01R06		1	6/PG	\$32.28	\$32.28	N/A
6140015794083		Battery, NiCd	BP-17IS		1	EA	\$192.20	\$192.20	N/A
6530014598422		Respirator Turbo Unit	022-00- 03R01		1	EA	\$435.75	\$435.75	N/A
6530015794012		Indicator, Airflow	520-01-21		1	EA	\$16.17	\$16.17	N/A

RESPIRATOR BREATHE EASY (AWAITING INFO)

ADDITIONAL NOTE:

Start-up quantity or unit of issue is different from Resupply quantity/unit of issue.

RESPIRATOR BREATHE EASY (AWAITING INFO)

WEB LINKS

[Click Below for Item Web Link](#)

http://solutions.3m.com/wps/portal/3M/en_US/PPESafetySolutions/PPESafety/Personal_Protective_Eq

[Equipment/Product_Catalog/~3M-Breathe-Easy-Turbo-Belt-Mounted-Powered-Air-Purifying-Respirator-PAPR-Assembly-520-17-00-Intrinsically-Safe-1-Case?N=4294875669+5011378&Nr=AND%28hrcy_id%3AGSXK47J6S2gs_R8VGL1ZJRV_N2RL3FH WVK_GPD0K8BC31gv%29&rt=d&x=21&y=15>](#)

SAMPLER KIT AIR (NEEDS START-UP)

TOC

MANUFACTURER: SKC INC.

Manufacturer Model# 224-44XRK5D

Manufacturer's PHONE: (724) 941-9701 FAX: (724) 941-1369

Manufacturer's Website: <http://www.skcinc.com/>

AAC 'L' ITEM NSN 6665-01-459-1750

UAs: 216B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$3,713.74

System Description: The 44XR Universal Sample Pump is a constant flow air sampler suitable for a broad range of applications. It is ideal for industrial hygiene studies as well as environmental testing.



**SAMPLER KIT AIR
PART # 224-44XRK5D
NSN 6665014591750**

SAMPLER KIT AIR (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Item Dimensions	Height (Inches)	5.1
	Width (Inches)	4.7
	Length (Inches)	1.9
	Cube (Cubic Feet)	0.0264
	Weight	34 oz
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		-4 to 113 °F
Operating Temp		32 to 113 °F
Storage Humidity		
Operating Humidity		0 to 95% Non-condensing
Amps		
Watts		
Power Requirements	100 - 240 VAC, 6 VDC plug-in NiMH battery pack, rechargeable, 3.5-Ah capacity or 6 VDC plug-in NiCad battery pack, rechargeable, 2.0-Ah capacity	
Notes		

**SAMPLER KIT AIR (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN SKC Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014591750		Sampler Kit Air (Needs Start-up)			1	EA	\$3,713.74	\$3,713.74	N/A

**SAMPLER KIT AIR (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

**SAMPLER KIT AIR (NEEDS START-UP)
WEB LINKS**

[Click Below for Spec. Sheet](#)

<http://www.skinc.com/instructions/1580.pdf>

[Click Below for Operating Instructions](#)

<http://www.skinc.com/instructions/37711.pdf>

SAMPLER SYSTEM PARTICULATE

[TOC](#)

MANUFACTURER: SKC, INC.

Manufacturer Model# 100-3901

Manufacturer's PHONE: (724) 941-9701 FAX: (724) 941-2184

Manufacturer's Website: <http://www.skcinc.com>

Item Web Link:

<http://www.skcinc.com/prod/100-3901.asp>

AAC 'L' ITEM NSN 6665-01-541-2405

UAs: 106A, 216B, 218B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

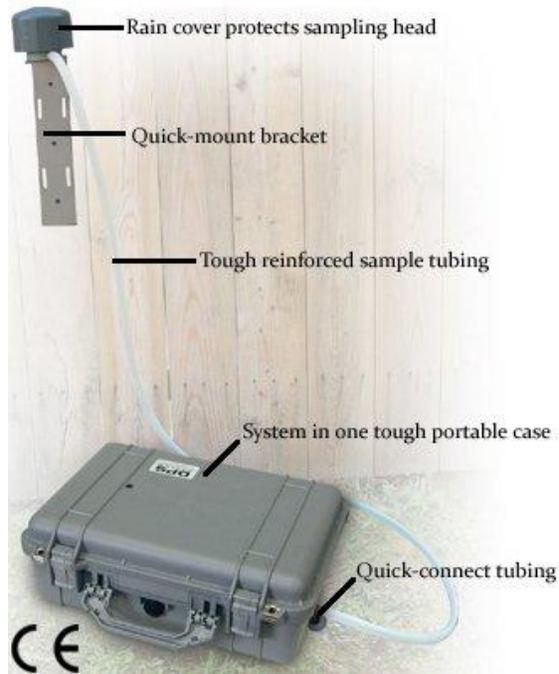
UNIT PRICE: \$3,593.39

System Description: This is a portable, lightweight, and cost-effective ambient air sampling system that features a fully programmable Leland Legacy Sample Pump with high-power Li-Ion battery for over 24 hours of run time. Specially designed sampling heads are easily loaded with media and deployed. The pump operates from inside the case for protection during sampling. SKC deployable sampler systems offer the added advantage of PC programmability with the DataTrac Software accessory for advanced scheduling options and record keeping. Two external battery assemblies with adapters are packaged separately.

- Features:**
- Compact and portable - only one case
 - Fast setup with modular components and quick-connect tubing
 - Ideal for remote locations and indoor air sampling
 - 24-hour Li-Ion battery-operated system
 - Easy, secure operation from within a heavy-duty lockable case
 - Quick-mount bracket is easy to install
 - Quick-change battery packs
 - Rain cover protects sampling head
 - Compact for easy transport
 - Low noise for indoors
 - System pump provides constant, accurate airflows
 - Simple 3-button keypad for setting a single unattended sample run
 - Program for multiple runs with a PC and DataTrac for Leland Legacy Software



SAMPLER SYSTEM PARTICULATE
PART # 100-3901
NSN 6665015412405



SAMPLER SYSTEM PARTICULATE SET UP
PART # 100-3901
NSN 6665015412405

* U.S. Patent No. 7,334,453



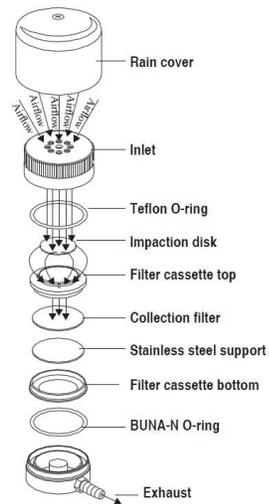
SAMPLER SYSTEM PARTICULATE
PART # 100-3901
NSN 6665015412405



PUMP



IMPACTOR (SAMPLING HEAD)
PART # 225-395



Exploded view of IMPACT Sampler

SAMPLER (EXPLODED)
PART # 225-395

**SAMPLER SYSTEM PARTICULATE
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	6.9
	Width (Inches)	4.1
	Length (Inches)	18.5
	Cube (Cubic Feet)	0.3029
	Weight	13 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		-4 to 95 °F
Operating Temp		32 to 113 °F
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	Rechargeable Li-Ion battery, 7.4 V, 2-Ah capacity, 88 Wh	
Notes	Flow Rate: 10 L/min Run Time: > 24 hours (one battery charge) Battery Recharge Time: 15 hours Charging Temperature: 32 to 113 °F Analysis: Gravimetric and/or chemical	

**SAMPLER SYSTEM PARTICULATE
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN SKC, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665015412405		Sampler System Particulate	100-3901		1	EA	\$3,593.39	\$3,593.39	N/A
	Awaiting NSN	Battery Assembly External with Adapter	223-247		2	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A
	Awaiting NSN	Tubing Calibration PVC Reinforced Flexible 1ft	P300041		1	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A
	Awaiting NSN	Tubing PVC Reinforced Flexible 6.5ft	P30004		1	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A
	Awaiting NSN	Tubing Silicone 0.4ft	P30255A		1	2/PG	Incl w/NSN 2405	Incl w/NSN 2405	N/A
5340016043355		Bracket Mounting	225-399		1	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A
6665016043407		Adapter Calibration	225-394		1	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A
6665016061844		Cover Protective	225-398		1	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A
6665016061872		Sampling Head (Filter Cassette)	225-396		2	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A
6665016061927		Cassette Opener Particulate Filter	225-397		1	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A
6665016062104		Disc Impaction Disposable 25s	225-395		1	25/PG	Incl w/NSN 2405	Incl w/NSN 2405	6
NSN Not Required		Literature Operator	P40101		1	EA	Incl w/NSN 2405	Incl w/NSN 2405	N/A

**SAMPLER SYSTEM PARTICULATE
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN SKC, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Battery Assembly External with Adapter	223-247		1	EA	\$225.00	\$225.00	N/A
	Awaiting NSN	Petri Dish Slide	225-2-01		1	100/PG	\$72.00	\$72.00	N/A
	Awaiting NSN	Tubing Calibration PVC Reinforced Flexible 1ft	P300041		1	EA	\$6.50	\$6.50	N/A
	Awaiting NSN	Tubing PVC Reinforced Flexible 6.5ft	P30004		1	EA	\$24.00	\$24.00	N/A
	Awaiting NSN	Tubing Silicone 0.4ft	P30255A		1	2/PG	\$9.00	\$9.00	N/A
5340016043355		Bracket Mounting	225-399		1	EA	\$66.00	\$66.00	N/A
6665016043407		Adapter Calibration	225-394		1	EA	\$90.00	\$90.00	N/A
6665016061844		Cover Protective	225-398		1	EA	\$40.00	\$40.00	N/A
6665016061872		Sampling Head (Filter Cassette)	225-396		1	EA	\$144.00	\$144.00	N/A
6665016061927		Cassette Opener Particulate Filter	225-397		1	EA	\$50.00	\$50.00	N/A
6665016062104		Disc Impaction Disposable 25s	225-395		1	25/PG	\$50.00	\$50.00	6
NSN Not Required		Literature Operator	P40101		1	EA	\$5.00	\$5.00	N/A

SAMPLER SYSTEM PARTICULATE

WEB LINKS

[Click Below for Literature, Operation](#)

[<http://www.skinc.com/SearchDownloads/default.asp>](http://www.skinc.com/SearchDownloads/default.asp)

SYSTEM HEADSPACE SAMP (NEEDS START-UP)

TOC

MANUFACTURER: IFICON, INC

Manufacturer Model# 931-205-G1

Manufacturer's PHONE: (315) 434-1100 FAX: (315) 437-3803

Manufacturer's Website: <http://www.inficon.com/en/index.html>

Item Web Link:

http://www.inficonenvironmentalmonitoring.com/en/hapsite_er/hapsiteaccessories.html

AAC 'L' ITEM NSN 6665-01-508-1296

UAs: 216B

USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$24,769.28

System Description: Battery operated headspace sampler for field use; convenient inlet system for analyzing soil, water, and solid samples; integrated with the HAPSITE data system; modular, low-maintenance design for rugged environments; this system enhances the capabilities of the HAPSITE portable gas chromatograph/mass spectrometer.

- Features:**
- The only battery-operated headspace sampler for field use
 - Results comparable to EPA method 8260
 - Convenient inlet system for analyzing soil, water, and solid samples
 - Integrated with the HAPSITE data system
 - Modular, low-maintenance design for rugged environments
 - Uses standard VOA (Volatile Organic Analysis) vials



**SYSTEM HEADSPACE SAMPLING
PART # 931-205-G1
NSN 6665015081296**

HeadSpace Sampling System on left, Service module on right



**SYSTEM HEADSPACE SAMPLING
PART # 931-205-G1
NSN 6665015081296**

**SYSTEM HEADSPACE SAMP (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	7.5
	Width (Inches)	14
	Length (Inches)	15.5
	Cube (Cubic Feet)	0.9418
	Weight	
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		50 to 113 °F (10 to 45 °C)
Storage Humidity		
Operating Humidity		95% Non-condensing
Amps		1.25
Watts		30
Power Requirements	24 V	
Notes		

**SYSTEM HEADSPACE SAMP (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Ificon, Inc	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665015081296		System Headspace Samp (Needs Start-up)	931-205- G1		1	EA	\$24,769.28	\$24,769.28	N/A

**SYSTEM HEADSPACE SAMP (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

