

**MEDICAL EQUIPMENT
SET LABORATORY
RADIOLOGICAL**

**Support and Consumables
Handbook**

6545-01-540-6780

UA 219B

LIN M29659

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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
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Fort Detrick, MD 21702-5001

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

USAMMACRM@amedd.army.mil

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AIR FLOW CALIBRATOR (NEEDS START-UP)

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MANUFACTURER: HI-Q ENVIRONMENTAL PROD

Manufacturer Model# CF-993B

Manufacturer's PHONE: (858) 549-2818 FAX: (858) 549-9657

Manufacturer's Website: <http://www.hi-q.net>

Item Web Link:

<http://www.hi-q.net/products/battery-solar-powered-air-samplers/cf-993b-fixed-speed-internal-battery-charger/default.html>

AAC 'L' ITEM NSN 6665-01-463-0903

UAs: 219B

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

UNIT PRICE: \$2,325.65

System Description: The CF-993B Air Flow Calibrator is ideal for remote location air sampling where line power is not available. If line power is available, sampling time can be extended by running line voltage to the charger while sampling.

- Features:**
- Internally mounted 12 Volt battery & battery charger
 - Timer controlled air sampling (programmable)
 - Instantaneous air flow rate indicator
 - National Institute of Standards & Technology (NIST) traceable calibration
 - 2-stage brushed blower
 - For continuous or intermittent use



**AIR FLOW CALIBRATOR
PART # CF-993B
NSN 6665014630903**

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

Item Dimensions	Height (Inches)	10.25
	Width (Inches)	10
	Length (Inches)	14.25
	Cube (Cubic Feet)	0.8453
	Weight	36 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	39 lbs
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		15
Watts		1550
Power Requirements	12 VDC battery with charger, internally mounted 115 VAC, 50/60 Hz	
Notes	<p>Shipping Dimensions, 2 boxes</p> <ul style="list-style-type: none"> ● 8 x 8 x 6 inches ● 13 x 11.5 x 16.25 inches <p>Housing</p> <ul style="list-style-type: none"> ● Aluminum cabinet ● Primed & painted ● 2-component polyurethane paint <p>Max Flow Rates</p> <ul style="list-style-type: none"> ● 95 L/m with FP2063-20, 2-inch diameter ● 55 L/m with FP5211-20, 2-inch diameter 	

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

NSN	Notes	Nomenclature	MFR PN Hi-Q Environmental Prod	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014630903		Air Flow Calibrator (Needs Start-up)	CF-993B		1	EA	\$2,325.65	\$2,325.65	N/A

AIR FLOW CALIBRATOR (NEEDS START-UP)

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM

NSN	Notes	Nomenclature	MFR PN Hi-Q Environmental Prod	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014644323		AIR SAMPLING KIT AND TRIPOD LG OPEN 62IN LG CLOSED 35IN	TR-1000		2	EA	\$333.00	\$666.00	N/A

AIR FLOW CALIBRATOR (NEEDS START-UP)

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Hi-Q Environmental Prod	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Battery 12VDC, 26 Amp Hour, Replacement	CF-993B-002		1	EA	\$0.00	\$0.00	
6665014644323		AIR SAMPLING KIT AND TRIPOD LG OPEN 62IN LG CLOSED 35IN	TR-1000		1	EA	\$333.00	\$333.00	N/A

AIR FLOW CALIBRATOR (NEEDS START-UP)

WEB LINKS

[Click Below for Operator Manual](#)

<<http://www.hi-q.net/files/Instrument%20Operation%20Manuals/CF-900%20Series%20Portable%20Air%20Sampler%2c%20UL%20Listed.pdf>>

AIR FLOW CALIBRATOR (NEEDS START-UP)

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MANUFACTURER: HI-Q ENVIRONMENTAL PROD

Manufacturer Model# DSC-8

Manufacturer's PHONE: (858) 549-2818 FAX: (858) 549-9657

Manufacturer's Website: <http://www.hi-q.net>

Item Web Link:

<http://www.hi-q.net/products/air-flow-calibrators-adapters/afc-series-analog-style-calibrators/default.html>

AAC 'L' ITEM NSN 6665-01-463-0913

UAs: 219B

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

UNIT PRICE: \$565.00

System Description: The steel-constructed, two-component, polyurethane-painted Air Flow Calibrator (AFC) housing incorporates a precision-machined venturi tube to create a pressure differential across a fixed orifice. By varying the air flow velocities, the pressure differentials are measured and recorded against a laminar flow element whose calibration is certified and traceable to the National Institute of Standards and Technology (NIST). The AFC's overall internal simplicity of operation reduces the frequency of re-calibration to once or twice per year depending on local protocol. Calibrators are intended to be used open to air.

- Features:**
- Dependable - direct, reliable readings certified & traceable to NIST
 - Quick - standard quick disconnet fitting for airtight setups & immediate flow readings
 - Durable - rugged construction built for heavy-duty use in all environments



**AIR FLOW CALIBRATOR
PART # DSC-8
NSN 6665014630913**

Must Designate DSC For Dual Scale (Shown with AFC Scale)

**AIR FLOW CALIBRATOR (NEEDS START-UP)
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	0	
Notes		

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

NSN	Notes	Nomenclature	MFR PN Hi-Q Environme ntal Prod	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014630913		Air Flow Calibrator (Needs Start-up)	DSC-8		1	EA	\$565.00	\$565.00	N/A

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

NO RESUPPLY ITEMS

ANALYZER MULTICHANNEL (NEEDS START-UP)

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MANUFACTURER: ADVANCED MEASUREMENT TECH

Manufacturer Model# DIGIDART

Manufacturer's PHONE: (865) 482-4411 FAX: (865) 483-0396

Manufacturer's Website: <http://www.ortec-online.com>

Item Web Link:

<http://www.ortec-online.com/download.aspx?AttributeFileId=1d2081ad-f50f-481c-88a6-36ca40f201b1&x230=page=2>

AAC 'L' ITEM NSN 6640-01-541-2298

UAs: 219B

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

UNIT PRICE: \$25,357.50

System Description: Weighing less than 1160 grams, the DigiDART is an attractive, light-weight instrument; easy to handle, and RUGGED. The case is molded ABS — the same strong plastic used extensively in automobiles. The outside is coated with a shock-absorbing, easy-grip, stay-clean coating — just like your other tools. The display and keypad are recessed to protect them when the instrument is dropped. The connectors are all on one side and recessed for protection. The battery is inside — again for added protection and covered with a splash-proof door. It can be charged in place, even when the DigiDART is operating. The battery is truly integrated into the rugged DigiDART and not simply clipped on the back panel; exposed and easy to break. Changing the battery is simple: just open the door and replace.

Naturally, the DigiDART is entirely computer controllable; but with the built-in display and numeric keypad, it is a DRAMATIC ADVANCE from the current generation of portable MCAs. This high-quality display and easy to use keypad mean it can perform a variety of tasks without an attached PC. For in-field applications, a PC is difficult to carry and operate, but without a display you can't see the spectrum or results. The DigiDART's built-in, backlit LCD display panel and keypad provide the confidence you need that your data is good. A clear spectral display is provided and start/stop control is accomplished simply by a single keypad entry. The spectral Display of the DigiDART is patterned after ORTEC's very successful MAESTRO-32 MCA Emulator (ask for the MAESTRO-32 brochure), in use on thousands of systems worldwide. A 240 x 160 pixel LCD display allows the user to monitor acquisitions and instrument settings status, with no attached PC. It features a live spectral display with region of interest, peak information and on line activity calculations. ROI's are shown as a bar below the spectrum.

Features: The DIM-296 option is an alternative to the DIM-POSNAI for NaI detectors with a standard 14-Pin base. The DIM-296 is a 296 ScintiPack with a single cable connection, ten feet in length for direct connection to the instrument.

- For scintillation detectors employing 10-stage PMTs that fit standard 14-pin sockets
- Convenient, single-cable connection direct to instrument
- Internal, adjustable, high-voltage bias supply eliminates high-voltage cables
- Active bias network minimizes peak shifts at high counting rates
- Low power consumption (240 mW) for portable applications



ANALYZER MULTICHANNEL DIGIDART W DIM-296
PART # DigiDart
NSN 6640015412298

digiDART™
 Portable HPGe MCA

Keypad and Display Features



1 - View Status	Live Time	2251	Na203	567	87	1%
2 - Enter ID	Real Time	2273	241Am	55.5	1.72	0.3
3 - Backup ROIs	Queue Time (%)	0.274	192Po	98	2.9	10.1
4 - Status Line	Flow Gain	0.700	213Po	102	0.85	4.9
5 - Peak Info	Count Rate	2	213Po	136	0.89	9.7
6 - Adjust Controls	Flow Time	15.200	137Cs	661.6	2.6	2.5
7 - General Settings	Flat Top	0.800	60Co	1173	0.79	5.9
8 - Spectrum Memory	BI-R Setting	3	60Co	1302	0.81	5.1
			40K	1460	0.52	11.4
			208Tl	2614	0.91	21.7

ANALYZER MULTICHANNEL DIGIDART W DIM-296
PART # DigiDart
NSN 6640015412298



DIM (DETECTOR INTERFACE MODULE) 296 WITH CABLE & DIGIDART

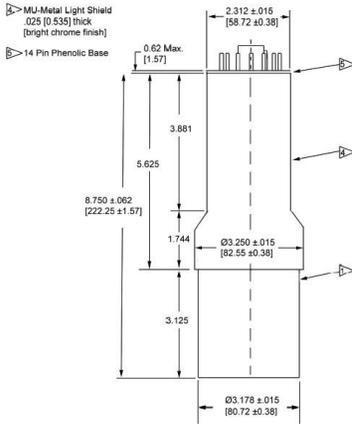
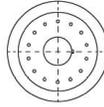


**PHOTOMULTIPLIER BASE SCINTIPACK
PART # 296
NSN 6665014636642**

905-4 NaI Scintillation Detector, 3- x 3-in. crystal, 3-in. tube

NOTES: Unless otherwise specified.

- ▷ Aluminum Crystal Housing
 .020 [0.508] thick
 [bright chrome finish]
- 2 NaI(Tl) Crystal
 Ø3.000 [76.2] x 3.000 [76.2] thick
- 3 Ø3.000 [76.2] Photomultiplier Tube

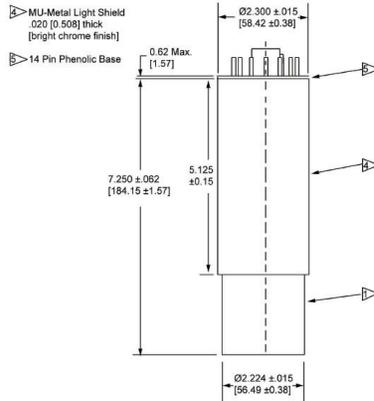


**PMT DETECTOR LIGHT INTENSITY 3X3" WITH 3" PHOTOMULTIPLIER TUBE
 PART # 905-4
 NSN 6350014625525**

905-3 NaI Scintillation Detector, 2- x 2-in. crystal, 2-in. tube

NOTES: Unless otherwise specified.

- ▷ Aluminum Crystal Housing
 .020 [0.508] thick
 [bright chrome finish]
- 2 NaI(Tl) Crystal
 Ø 2.000 [50.8] x 2.000 [50.8] long
- 3 Ø 2.000 [50.8] Photomultiplier Tube



**PMT DETECTOR LIGHT INTENSITY 2X2" WITH 2" PHOTOMULTIPLIER TUBE
 PART # 905.3
 NSN 6350014625527**

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

Item Dimensions	Height (Inches)	5
	Width (Inches)	3
	Length (Inches)	8
	Cube (Cubic Feet)	0.0694
	Weight	2.5 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		14 to 140 °F
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	7.2 VDC, Lithium-ion Camcorder Battery, Sony NP-F970, 47.5 watt-hours	
Notes		

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

NSN	Notes	Nomenclature	MFR PN Advanced Measureme nt Tech	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015412298		Analyzer Multichannel (Needs Start-up)	DigiDart		1	EA	\$25,357.50	\$25,357.50	N/A

ANALYZER MULTICHANNEL (NEEDS START-UP)

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM

NSN	Notes	Nomenclature	MFR PN Advanced Measureme nt Tech	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6350014625525		Detector Light Intensity 3X3"	905-4		2	EA	\$1,343.64	\$2,687.28	N/A
6350014625527		Detector Light Intensity 2X2"	905.3		2	EA	\$1,048.35	\$2,096.70	N/A
6665014636642		Photomultiplier Base Scintipack	296		2	EA	\$1,712.72	\$3,425.44	N/A

ANALYZER MULTICHANNEL (NEEDS START-UP)

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Advanced Measureme nt Tech	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6350014625525		Detector Light Intensity 3X3"	905-4		1	EA	\$1,343.64	\$1,343.64	N/A
6350014625527		Detector Light Intensity 2X2"	905.3		1	EA	\$1,048.35	\$1,048.35	N/A
6665014636642		Photomultiplier Base Scintipack	296		1	EA	\$1,712.72	\$1,712.72	N/A

BASIC SOIL SAMPLING KIT

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MANUFACTURER: BEN MEADOWS CO

Manufacturer Model# 221360

Manufacturer's PHONE: (608) 743-8001 FAX: (608) 743-8007

Manufacturer's Website: www.BenMeadows.com

Item Web Link:

<http://www.benmeadows.com/search/221360/31220729/221360/?isredirect=true>

AAC 'L' ITEM NSN 6530-01-458-6818

UAs: 219B

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

UNIT PRICE: \$1,521.45

System Description: Complete kit with all the basic tools required for obtaining soil samples in the field. This kit gives you the ability to auger in most materials up to 12 feet and then collect a soil core sample.



BASIC SOIL SAMPLING KIT
PART # 221360
NSN 6530014586818



BASIC SOIL SAMPLING KIT
PART # 221360
NSN 6530014586818

**BASIC SOIL SAMPLING KIT
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	6.5
	Width (Inches)	18
	Length (Inches)	53
	Cube (Cubic Feet)	3.5885
	Weight	60 lbs
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	N/A	
Notes		

**BASIC SOIL SAMPLING KIT
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Ben Meadows Co	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530014586818		Basic Soil Sampling Kit	221360		1	EA	\$1,521.45	\$1,521.45	N/A
5120002643796		Wrench Crescent 12 inch	421.10		2	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Auger Head Mud 3.25"	221087		1	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Auger Head Regular 3.25"	221080		1	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Auger Head Sand 3.25"	221094		1	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Brush Cleaning Nylon 2"	175008		1	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Case Carrying w Wheels	430.01		1	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Core Sampler w Slide Hammer 2 X 6 inch	404.10		1	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Extension L 4 foot	351.03		3	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Handle Cross Rubber Coated	221075		1	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A
NSN Not Required		Wrench Universal Slip	226357		1	EA	Incl w/NSN 6818	Incl w/NSN 6818	N/A

**BASIC SOIL SAMPLING KIT
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Ben Meadows Co	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
5120002643796		Wrench Crescent 12 inch	421.10		1	EA	\$33.90	\$33.90	N/A
NSN Not Required		Auger Head Mud 3.25"	221087		1	EA	\$160.40	\$160.40	N/A
NSN Not Required		Auger Head Regular 3.25"	221080		1	EA	\$133.20	\$133.20	N/A
NSN Not Required		Auger Head Sand 3.25"	221094		1	EA	\$161.40	\$161.40	N/A
NSN Not Required		Brush Cleaning Nylon 2"	175008		1	EA	\$12.90	\$12.90	N/A
NSN Not Required		Case Carrying w Wheels	430.01		1	EA	\$233.50	\$233.50	N/A
NSN Not Required		Core Sampler w Slide Hammer 2 X 6 inch	404.10		1	EA	\$234.50	\$234.50	N/A
NSN Not Required		Extension L 4 foot	351.03		1	EA	\$57.40	\$57.40	N/A
NSN Not Required		Handle Cross Rubber Coated	221075		1	EA	\$37.10	\$37.10	N/A
NSN Not Required		Wrench Universal Slip	226357		1	EA	\$35.80	\$35.80	N/A

DETECTOR GAS (NEEDS START-UP)

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MANUFACTURER: BIODIX MEDICAL SYSTEMS

Manufacturer Model# LUDLUM 43-68

Manufacturer's PHONE: (631) 924-9000 FAX: (631) 924-9338

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

AAC 'L' ITEM NSN 6665-01-464-9652

UAs: 219B

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

UNIT PRICE: \$970.29

System Description: The Ludlum Model 43-68 is a gas proportional detector used for surface contamination monitoring and has an open window area of 100 cm². It is designed for alpha and beta survey and is compatible with a number of counting instruments.



DETECTOR GAS
PART # Ludlum 43-68
NSN 6665014649652

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

Item Dimensions	Height (Inches)	3.9
	Width (Inches)	4.6
	Length (Inches)	7.8
	Cube (Cubic Feet)	0.081
	Weight	2 lbs
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	See Below	
Notes	<p>Operating Voltages: Alpha - Typically 1100-1400 volts Beta-Gamma - Typically 1600-1800 volts</p> <p>Will operate on static charge for at least 15 hours with 39 inch cable; 5 hours in alpha/beta mode</p> <p>Window Area: 126 cm² active, 100 cm² open</p> <p>Gas Connectors: Double-end shut-off quick disconnects</p> <p>Signal Connectors: Series "C" unless specified otherwise</p>	

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

NSN	Notes	Nomenclature	MFR PN Biodex Medical Systems	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014649652		Detector Gas (Needs Start-up)	Ludlum 43-68		1	EA	\$970.29	\$970.29	N/A

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

NO RESUPPLY ITEMS

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

[Click Below for Product Manual](#)

<http://www.ludlums.com/images/stories/product_manuals/M43-68_&_M43-68slash1_&_M43-68slash2.pdf>

DETECTOR LIGHT INTENSIT (NEEDS START-UP)

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MANUFACTURER: ADVANCED MEASUREMENT TECH

Manufacturer Model# 905-11-S

Manufacturer's PHONE: (865) 482-4411 FAX: (865) 483-0396

Manufacturer's Website: <http://www.ortec-online.com>

AAC 'L' ITEM NSN 6350-01-462-5530

UAs: 219B

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

UNIT PRICE: \$10,040.12

System Description: A gamma ray interacting with a scintillator produces a pulse of light that is converted to an electric pulse by a photomultiplier tube (PMT). The PMT consists of a photocathode, a focusing electrode, and 10 or more dynodes that multiply the number of electrons striking at each dynode. A chain of resistors typically located in a plug-in tube base assembly biases the anode and dynodes.



DETECTOR LIGHT INTENSITY
PART # 905-11-S
NSN 6350014625530

**DETECTOR LIGHT INTENSIT (NEEDS START-UP)
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	0	
Notes		

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

NSN	Notes	Nomenclature	MFR PN Advanced Measureme nt Tech	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6350014625530		Detector Light Intensit (Needs Start-up)			1	EA	\$10,040.12	\$10,040.12	N/A

**DETECTOR LIGHT INTENSIT (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

PHOTOMULTIPLIER BASE (NEEDS START-UP)

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MANUFACTURER: ADVANCED MEASUREMENT TECH

Manufacturer Model# 296

Manufacturer's PHONE: (865) 482-4411 FAX: (865) 483-0396

Manufacturer's Website: <http://www.ortec-online.com>

Item Web Link:

<http://www.ortec-online.com/download/296.pdf>

AAC 'L' ITEM NSN 6665-01-463-6642

UAs: 219B

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

UNIT PRICE: \$1,712.72

System Description: The ScintiPack Photomultiplier Base (Model 296) includes everything needed for scintillation detectors in one compact package: a low-power, adjustable, high-voltage supply, an active bias network, and a spectroscopy preamplifier. Incorporating the bias supply in the photomultiplier base eliminates high-voltage cable connections to bulky, external, HV supplies. As a result, the ScintiPack operates with extremely low power consumption (240 mW). This makes the ScintiPack attractive for portable applications, as well as for high-density detector arrays.

- Features:**
- For scintillation detectors employing 10-stage PMTs that fit standard 14-pin sockets
 - Internal, adjustable, high-voltage bias supply eliminates high-voltage cables
 - Integral spectroscopy preamplifier avoids dangling boxes
 - Active bias network minimizes peak shifts at high counting rates
 - Anode timing output for coincidence measurements
 - Low power consumption (240 mW) for portable applications
 - Convenient, single-cable connection for most applications



PHOTOMULTIPLIER BASE SCINTIPACK
PART # 296
NSN 6665014636642

905-3 NaI Scintillation Detector, 2- x 2-in. crystal, 2-in. tube

NOTES: Unless otherwise specified.

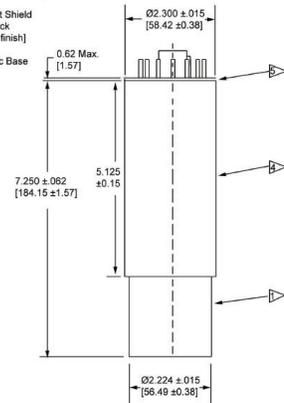
▷ Aluminum Crystal Housing
 .020 [0.508] thick
 [bright chrome finish]

2 NaI(Tl) Crystal
 Ø 2.000 [50.8] x 2.000 [50.8] long

3 Ø 2.000 [50.8] Photomultiplier Tube

▷ MU-Metal Light Shield
 .020 [0.508] thick
 [bright chrome finish]

▷ 14 Pin Phenolic Base

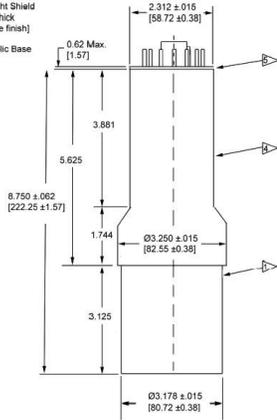
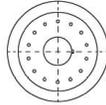


2 INCH PHOTOMULTIPLIER TUBE
PART # 905.3
NSN 6350014625527

905-4 NaI Scintillation Detector, 3- x 3-in. crystal, 3-in. tube

NOTES: Unless otherwise specified.

- ▷ Aluminum Crystal Housing
.020 [0.508] thick
[bright chrome finish]
- 2 NaI(Tl) Crystal
Ø3.000 [76.2] x 3.000 [76.2] thick
- 3 Ø3.000 [76.2] Photomultiplier Tube
- ▷ MJ-Metal Light Shield
.025 [0.635] thick
[bright chrome finish]
- ▷ 14 Pin Phenolic Base



3 INCH PHOTOMULTIPLIER TUBE
PART # 905.4
NSN 6350014625525

**PHOTOMULTIPLIER BASE (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	2.2
	Width (Inches)	2.2
	Length (Inches)	6.7
	Cube (Cubic Feet)	0.0188
	Weight	1.1 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	2.6 lbs
Storage Temp		
Operating Temp		32 to 122 °F
Storage Humidity		
Operating Humidity		
Amps		20 mA
Watts		
Power Requirements	12 VDC	
Notes		

**PHOTOMULTIPLIER BASE (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Advanced Measureme nt Tech	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014636642		Photomultiplier Base (Needs Start-up)	296		1	EA	\$1,712.72	\$1,712.72	N/A

**PHOTOMULTIPLIER BASE (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

RADIACMETER SURVEY METER (NEEDS START-UP)

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MANUFACTURER: NARDA MICROWAVE EAST

Manufacturer Model# 872

Manufacturer's PHONE: (631) 231-1700 FAX: (631) 231-1711

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

AAC 'L' ITEM NSN 6665-01-463-0455

UAs: 219B

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

UNIT PRICE: \$3,803.63

System Description: RateMeter to measure gamma and neutron radiation.

**RADIACMETER SURVEY METER (NEEDS START-UP)
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		600
Power Requirements	120 VAC	
Notes		

**RADIACMETER SURVEY METER (NEEDS START-UP
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Narda Microwave East	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014630455		RadiacMeter Survey Meter (Needs Start-up	872		1	EA	\$3,803.63	\$3,803.63	N/A

**RADIACMETER SURVEY METER (NEEDS START-UP
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

MANUFACTURER: METTLER-TOLEDO INC**Manufacturer Model# MS3002S****Manufacturer's PHONE: (614) 438-4762 FAX: (614) 438-4525****Manufacturer's Website: <http://us.mt.com/us/en/home.html>****Item Web Link:****[http://us.mt.com/us/en/home/products/Laboratory Weighing Solutions/Precision Balances/Classic-precision/New Classic MS Analytical Balance/m1/b1.html](http://us.mt.com/us/en/home/products/Laboratory_Weighing_Solutions/Precision_Balances/Classic-precision/New_Classic_MS_Analytical_Balance/m1/b1.html)****AAC 'L' ITEM NSN 6670-01-598-8615****UAs: 219B****USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301****UNIT PRICE: \$4,018.00**

System Description: Whether you are carrying out a simple routine task or a complicated weighing procedure, this precision balance offers a winning combination of strong performance and increased productivity thanks to the fast settling time and consistently reliable results. With the added advantage of proven MonoBloc weighing technology and FACT – fully automatic time and temperature-controlled internal adjustment – the new generation of this balance provides a visually attractive support for everyday weighing tasks.

- Features:**
- Robust aluminum housing - The robust housing made of high-quality aluminum protects the sensitive sensor from environmental influences and impacts. It is also resistant to chemicals. For guaranteed consistency and precision year after year – even with intensive use.
 - MonoBloc inside - MonoBloc, the proven high-performance weighing cell developed by world leader in weighing technologies, METTLER TOLEDO, guarantees a long service life and extreme ruggedness.
 - User-friendly operation - The HCD (High Contrast Display) with big numbers, clear symbols and an intuitive menu enables users to operate the balance quickly and easily. And with three freely programmable SmartKeys, routine tasks can be started at the touch of a button.
 - Once level, always level - In addition to the adjustable feet at the front, the balance is equipped with LevelLock feet at the back, providing increased safety and anti-tilt capabilities.
 - Weighing in 16 different units
 - Taring over the entire weighing range
 - Be adapted to the environment
 - Applications for:
 - Piece counting
 - Percent weighing
 - Dynamic weighing
 - Check weighing
 - Free factor
 - Statistics
 - Formulation
 - Totaling



**SCALE WEIGHING BENCH 3200 GRAMS DIGITAL
PART # MS3002S
NSN 6670015988615**



**CAREPAC
PART # 11123109
See Table Below for Contents**

**SCALE WEIGHING BENCH 3200 GRAMS DIGITAL
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	3.8
	Width (Inches)	7.6
	Length (Inches)	13.66
	Cube (Cubic Feet)	0.2283
	Weight	12.13 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		50 to 86 °F
Storage Humidity		
Operating Humidity		10 to 80 % at 31 °C, linearly decreasing to 50 % at 40 °C, Non-cond
Amps		0.84
Watts		10
Power Requirements	100V–240V, 50/60Hz	
Notes		

**SCALE WEIGHING BENCH 3200 GRAMS DIGITAL
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Mettler- Toledo Inc	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6670015988615		Scale Weighing Bench 3200 Grams Digital	MS3002S		1	EA	\$4,018.00	\$4,018.00	N/A
	Awaiting NSN	Adapter AC (Country Specific)	11120270		1	EA	Incl w/NSN 8615	Incl w/NSN 8615	N/A
	Awaiting NSN; Contents Listed Below	Carepac	11123109		1	EA	Incl w/NSN 8615	Incl w/NSN 8615	N/A
	Awaiting NSN	Case Transport	11124245		1	EA	Incl w/NSN 8615	Incl w/NSN 8615	N/A
		Declaration of Conformity			1	EA	Incl w/NSN 8615	Incl w/NSN 8615	N/A
NSN Not Required		Literature Operation			1	EA	Incl w/NSN 8615	Incl w/NSN 8615	N/A
NSN Not Required		Quick Guide			1	EA	Incl w/NSN 8615	Incl w/NSN 8615	N/A

**SCALE WEIGHING BENCH 3200 GRAMS DIGITAL
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

**SCALE WEIGHING BENCH 3200 GRAMS DIGITAL
WEB LINKS**

[Click Below for Declaration of Conformity](#)

<<http://www.mettler-toledo-support.com/cepdf/Pdf4Item.php?no=11124524&lang=EN>>

[Click Below for Operating Instructions](#)

<http://www.affordablescales.com/pdfs/users_manual_pdf/MS104S.pdf>

[Click Below for Product Brochure](#)

<http://www.affordablescales.com/pdfs/specs_pdf/MS6002S.pdf>

SCALE WEIGHING BENCH 3200 GRAMS DIGITAL
ITEM TABLES

Carepac Contents

Nomenclature	Qty	UI
Test Weight 2000 grams	1	EA
Test Weight 100 grams	1	EA
Tweezers	1	EA
Clean Room Approved Gloves	1	PR
Cleaning Cloth	1	PG
Weight Forks	1	EA
Carrying Case	1	EA

SCINTILLATOR LIQUID GAM (NEEDS START-UP)

TOC

MANUFACTURER: LABLOGIC SYSTEMS, INC.

Manufacturer Model# 425-004

Manufacturer's PHONE: (813) 626-6848 FAX: (813) 620-3708

Manufacturer's Website: www.lablogic.com

Item Web Link:

<http://www.lablogic.com/display.asp?name=Triathler>

AAC 'L' ITEM NSN 6665-01-587-7641

UAs: 219B

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

UNIT PRICE: \$13,950.00

System Description: Triathler is a compact and portable single-well instrument that provides instant results for liquid scintillation counting and luminescence measurements. An optional gamma counting NaI well is also available. In LSC mode, Triathler has preset modes for 3H, 14C, 32P, 33P, 35S, and reliable detection for most other radionuclides. In Luminescence mode, Triathler allows a full range of techniques common in microbiology, immunology, and genetic research. The on-board software has data export capabilities to a printer or PC (Excel) and allows advanced spectrum analysis and optional instrument control. A variety of sample holders provide compatibility with most types of sample tubes and vials.

- Features:**
- Easy-to-use single key operation
 - Fast, accurate results save time
 - Superior sensitivity for both glow and flash luminescence reagents
 - Instant DPM quench correction without external standards
 - Alpha/Beta separation capability
 - Internal lead shield for low backgrounds
 - Field case with or without rechargeable battery
 - Automatic injector option
 - PC interface softwar



SCINTILLATOR LIQUID GAMMA COUNTER
PART # 425-004
NSN 6665015877641



SCINTILLATOR LIQUID GAMMA
PART # 425-004
NSN 6665015877641



**SCINTILLATOR LIQUID GAMMA
PART # 425-004
NSN 6665015877641**

**SCINTILLATOR LIQUID GAM (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	7.5
	Width (Inches)	10
	Length (Inches)	13
	Cube (Cubic Feet)	0.5642
	Weight	20 lbs
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	110/240 VAC	
Notes	<p>Capable of counting all radioisotopes including tritium Sample types: LSC vials, microtubes, test tubes Detector: Single-photon counting Photomultiplier Tube (PMT) Display: 2 x 16 character alpha-numeric LCD Energy range: 2 to 2000 KEV Liquid scintillation counting max. count rate: 2,000,000 CPM Gamma counting detector: 32 x 32 mm NAI (Ti) crystal (through-hole)</p>	

**SCINTILLATOR LIQUID GAM (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN LabLogic Systems, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665015877641		Scintillator Liquid Gam (Needs Start-up)	425-004		1	EA	\$13,950.00	\$13,950.00	N/A

**SCINTILLATOR LIQUID GAM (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

**SCINTILLATOR LIQUID GAM (NEEDS START-UP)
WEB LINKS**

[Click Below for Product Brochure](#)

<<http://www.lablogic.com/moreinfo/PDF/triathler-US.PDF>>

SCINTILLATOR PORTABLE (NEEDS START-UP)

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MANUFACTURER: BIODIX MEDICAL SYSTEMS

Manufacturer Model# LUDLUM 44-20

Manufacturer's PHONE: (631) 924-9000 FAX: (631) 924-9338

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

Item Web Link:

http://www.drct.com/dss/INSTRUMENTATION/Ludlum/Ludlum_Probes/Ludlum_Model_44-20_probe.htm

AAC 'J' ITEM NSN 6665-01-465-5288

UAs: 219B

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

UNIT PRICE: \$2,318.40

System Description: The Model 44-20 Gamma Scintillator is an integral NaI(Tl) (sodium iodide activated with thalium) gamma scintillator that can be used with several different instruments including survey meters, scalars, ratemeters, and alarm ratemeters.



SCINTILLATOR PORTABLE METER 3X3IN
PART # Ludlum 44-20
NSN 6665014655288

**SCINTILLATOR PORTABLE (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	3.3
	Width (Inches)	3.3
	Length (Inches)	11.3
	Cube (Cubic Feet)	0.0712
	Weight	3.7 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		-4 to 122 °F (-20 to 50 °C)
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	N/A	
Notes	<p>INDICATED USE: High energy gamma detection SCINTILLATOR: 3" (7.6 cm) diameter X 3" (7.6 cm) thick sodium iodide (NaI)Tl scintillator SENSITIVITY: Typically 2300 cpm/microR/hr (Cs-137) ENERGY RESPONSE: Energy dependent COMPATIBLE INSTRUMENTS: General purpose survey meters, ratemeters, and scalers TUBE: 3"(7.6cm) diameter magnetically shielded photomultiplier OPERATING VOLTAGE: Typically 500 - 1200 volts DYNODE STRING RESISTANCE: 60 megohm CONNECTOR: Series "C" (others available) CONSTRUCTION: Aluminum housing with beige polyurethane enamel paint SIZE: 3.3 inch diameter X 11.3 inches</p>	

**SCINTILLATOR PORTABLE (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Biodex Medical Systems	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014655288		Scintillator Portable (Needs Start-up)	Ludlum 44- 20		1	EA	\$2,318.40	\$2,318.40	N/A

**SCINTILLATOR PORTABLE (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

SPECTROMETER ISOTOPE ID (NEEDS START-UP)

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MANUFACTURER: THERMO-ELECTRON CORP

Manufacturer Model# IDENTIFINDER-NGH+

Manufacturer's PHONE: (508) 482-7000 FAX: (508) 634-2110

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

AAC 'L' ITEM NSN 6665-01-541-2821

UAs: 219B

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

UNIT PRICE: \$21,735.00

System Description: IdentiFINDER™ is a user-friendly instrument that distinguishes man-made and natural isotopes and combines high sensitivity with a wide dose rate. The instrument is a dual purpose design to facilitate locating missing or offending sources and then identifying the source via its gamma spectrometry and nuclide identification capability. Blue cap indicates Gamma and Neutron - IdentiFINDER-NGH with NaI, 3He, & Gm detectors.

IdentiFINDER™ is a complete digital gamma spectroscopy and dose rate system. It integrates multi-channel analyzer, amplifier, high voltage power supply, and memory with an integral scintillation and GM detector. IdentiFINDER™ is ideally suited for homeland security, industrial, medical, nuclear power generation, and nuclear fuel cycle applications.

Features:

- Ideal for NBC (Nuclear, Biological & Chemical) or HAZMAT (Hazardous Material) response
- Finds the radioactive material
- Quantifies the radiological hazard
- Identifies the radioactive isotope



SPECTROMETER ISOTOPE IDENTIFYING
PART # IdentiFinder-NGH+
NSN 6665015412821



Front view of the identiFINDER with

1. Battery compartment lock
2. ON/OFF button
3. Blue LED (neutron alarm)
4. Selection buttons
5. Command line
6. Red LED (gamma alarm)
7. Internal GM tube
8. Internal ^3He tube (neutron detection)
9. Internal NaI(Tl) scintillation detector

SPECTROMETER ISOTOPE IDENTIFYING
PART # IdentiFinder-NGH+
NSN 6665015412821

**SPECTROMETER ISOTOPE ID (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	3
	Width (Inches)	3.7
	Length (Inches)	9.8
	Cube (Cubic Feet)	0.063
	Weight	2.75 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		-4 to 122 °F
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	1.2V rechargeable 2300 mA/h AA NiMH battery; non-rechargeable alkaline AA battery can also be used	
Notes	Battery Life: 10-12 hours for the supplied NiMH batteries. Alkaline batteries run somewhat longer.	

**SPECTROMETER ISOTOPE ID (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Thermo- Electron Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665015412821		Spectrometer Isotope ID (Needs Start-up)	IdentiFINDER-NGH+		1	EA	\$21,735.00	\$21,735.00	N/A
		Battery NiMH Rechargeable	BTXX7		1	EA	Incl w/NSN 2821	Incl w/NSN 2821	

SPECTROMETER ISOTOPE ID (NEEDS START-UP)

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM

NSN	Notes	Nomenclature	MFR PN Thermo- Electron Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6135008357210		Battery Non-Rechargeable 1.5V AA 12s	13A		6	12/PG	\$30.57	\$183.42	36

SPECTROMETER ISOTOPE ID (NEEDS START-UP)

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Thermo- Electron Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
		Battery NiMH Rechargeable	BTXX7		1	EA	\$0.00	\$0.00	
6135008357210		Battery Non-Rechargeable 1.5V AA 12s	13A		1	12/PG	\$30.57	\$30.57	36

SURVEY METER GENERAL (NEEDS START-UP)

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MANUFACTURER: BIODIX MEDICAL SYSTEMS

Manufacturer Model# MODEL 12

Manufacturer's PHONE: (631) 924-9000 FAX: (631) 924-9338

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

Item Web Link:

http://www.ludlums.com/index.php?page=shop.product_details&flypage=flypage_ludlum.tpl&product_id=4&category_id=140&activetab=dl&option=com_virtuemart&Itemid=15

AAC 'L' ITEM NSN 6665-01-469-3092

UAs: 219B

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

UNIT PRICE: \$788.26

System Description: This general purpose, handheld analog ratemeter supports GM, proportional, and scintillation type detectors. The analog meter face comes in a variety of options to support the measurement units and ranges for the optional external detector selected.

The aluminum cast instrument housing, with its separate battery compartment and accompanying metal handle, offer an industrial robustness and quality that promote long lasting protection and instrument life. The front panel controls include a rotary switch for selecting the four-decade range, instrument shut-off and battery test, an audio on/off switch, a fast/slow response switch, a high voltage display button, and a count reset button. A one-meter (39 in) straight type detector cable with "C" style connector and batteries are included in the price of the instrument.

- Features:**
- 4 Ranges
 - Adjustable high voltage
 - Adjustable threshold
 - Utilizes G-M, Scintillation or Proportional detectors
 - Built in audio with ON/OFF switch
 - Total range from 0 - 500,000 cpm
 - Splash proof

NOTE: Never store the instrument over 30 days without removing batteries. Although this instrument will operate at very high ambient temperatures, battery seal failure can occur at temperatures as low as 100 °F.



SURVEY METER GENERAL PTBL LUDLUM MDL 12
PART # Ludlum 12
NSN 6665014693092

**SURVEY METER GENERAL (NEEDS START-UP)
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	6.5
	Width (Inches)	3.5
	Length (Inches)	8.5
	Cube (Cubic Feet)	0.1119
	Weight	3.5 lbs including batteries
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	2 D batteries	
Notes	Compatible Detectors: G-M, proportional, scintillation Linearity: Reading within plus or minus 10% of true value with detector connected Connector: Series "C" High Voltage: Adjustable from 200 - 2500 volts (can be read on meter) Discriminator: Adjustable from 1 - 100 mV Battery Life: Typically 2000 hours with alkaline batteries (battery condition can be checked on meter)	

**SURVEY METER GENERAL (NEEDS START-UP)
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Biodex Medical Systems	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6665014693092		Survey Meter General (Needs Start-up)	Ludlum 12		1	EA	\$788.26	\$788.26	N/A
NSN Not Required	Download below	Literature Operation			1	EA	Incl w/NSN 3092	Incl w/NSN 3092	N/A

**SURVEY METER GENERAL (NEEDS START-UP)
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

**SURVEY METER GENERAL (NEEDS START-UP)
WEB LINKS**

[Click Below for Literature, Operation/Service](#)

<http://ludlums.com/images/stories/product_manuals/M12.pdf>

