

**TEST MEASUREMENT  
DIAGNOSTIC  
EQUIPMENT (TMDE)  
SET, DIVISION**

**Support and Consumables  
Handbook**

**6545-01-532-1908**

**UA T501**

*Semper Responsus*

**REVISED**

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

[USAMMACRM@amedd.army.mil](mailto:USAMMACRM@amedd.army.mil)

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## ANALYZER DEFIBRILLATOR ARMY KIT

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### MANUFACTURER: FLUKE BIOMEDICAL

Manufacturer Model# 3366794

Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000

Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>  
<>

#### Item Web Link:

<http://www.flukebiomedical.com/biomedical/usen/biomedical-test/performance-analyzers/impulse-6000d-and-7000dp.htm?PID=56326>

AAC 'L' ITEM NSN 6515-01-575-2825

UAs: T500, T501, T503, T505

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

UNIT PRICE: \$4,250.00

**System Description:** The Impulse 7000DP Defibrillator/Transcutaneous Pacer Analyzer Test Systems are rugged, portable precision test instruments that ensure proper operation and ultimate performance of critical life-support cardiac-resuscitation equipment.

The Impulse 7000DP test capabilities encompass the spectrum of world wide established pulse shapes, showcase breakthrough AED technology compatibility, and outperform in accuracy and standards. Additionally, the Impulse 7000DP incorporates the tests and the extensive range of test loads and measurement algorithms needed to test external transcutaneous pacemakers.

- Features:**
- Lown, Edmark, trapezoidal, biphasic and pulsed-biphasic defibrillation technology compatibility
  - AED technology compatibility
  - First-class measurement accuracy  $\pm 1\%$  of reading + 0.1 J
  - Intuitive user interface and backlight, easy-to-read display
  - Portable, rugged, easy to carry
  - Long-lasting, rechargeable battery
  - Pacer brand selections
  - Pacer input protected against defibrillator output (7000DP only)
  - Ten independent ECG outputs that provide 12-lead combinations for standardized clinical signals
  - Flexible heart-rate settings (1 BPM step) facilitate rate meter accuracy and alarm testing
  - DSP-based measurements enable future firmware and waveforms upgrade
  - Unique integrated ports for secure connections
  - Optional Ansur test automation software to standardize testing procedures, capture waveforms and test results, and print and document test results
  - Designed, tested, and built to incomparable Fluke quality standards

**NOTE: LIN A83433**



**ANALYZER DEFIBRILLATOR  
PART # 3366794  
NSN 6515015752825**



**CASE AND MISC.**



**TESTING**

**ANALYZER DEFIBRILLATOR ARMY KIT  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>5</b>
	<b>Width (Inches)</b>	<b>9.5</b>
	<b>Length (Inches)</b>	<b>13</b>
	<b>Cube (Cubic Feet)</b>	<b>0.3573</b>
	<b>Weight</b>	<b>6.6 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	
<b>Storage Temp</b>		<b>-4 to 140 °F</b>
<b>Operating Temp</b>		<b>50 to 104 °F</b>
<b>Storage Humidity</b>		<b>10 to 90% Non-condensing</b>
<b>Operating Humidity</b>		<b>10 to 90% Non-condensing</b>
<b>Amps</b>		<b>1.5</b>
<b>Watts</b>		<b>360</b>
<b>Power Requirements</b>	<b>100 to 240 VAC for battery charger</b>	
<b>Notes</b>		

**ANALYZER DEFIBRILLATOR ARMY KIT  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515015752825		Analyzer Defibrillator Army Kit	3366794		1	EA	\$4,250.00	\$4,250.00	N/A
	Awaiting NSN	Battery Eliminator (Country Specific)	2184298		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A
	Awaiting NSN	Cable, USB Computer Communication	1626219		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A
	Awaiting NSN	Case, Carrying	2814980		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A
	Awaiting NSN	Defib Paddle Contact Plates	3156262		1	2/SE	Incl w/NSN 2825	Incl w/NSN 2825	N/A
	Awaiting NSN	Getting Started Guide	3028662		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A
	Awaiting NSN	Internal Defib PDL Contacts 4MM	3065438		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A
	Awaiting NSN	MED ERS/Physio-Control Quik Combo 4MM	3065461		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A
	Awaiting NSN	Zoll Medical PD-2200 Multifunction 4MM	3065511		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A
6515015867368		Defib Analyzer, Impulse 7000DP	2811919		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A
NSN Not Required		Literature, Operator	3028681		1	EA	Incl w/NSN 2825	Incl w/NSN 2825	N/A

**ANALYZER DEFIBRILLATOR ARMY KIT  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Battery Eliminator (Country Specific)	2184298		1	EA	\$97.85	\$97.85	N/A
	Awaiting NSN	Cable, USB Computer Communication	1626219		1	EA	\$13.86	\$13.86	N/A
	Awaiting NSN	Case, Carrying	2814980		1	EA	\$132.60	\$132.60	N/A
	Awaiting NSN	Defib Paddle Contact Plates	3156262		1	2/SE	\$128.50	\$128.50	N/A
	Awaiting NSN	Getting Started Guide	3028662		1	EA	\$0.00	\$0.00	N/A
	Awaiting NSN	Internal Defib PDL Contacts 4MM	3065438		1	EA	\$31.00	\$31.00	N/A
	Awaiting NSN	MED ERS/Physio-Control Quik Combo 4MM	3065461		1	EA	\$132.00	\$132.00	N/A
	Awaiting NSN	Zoll Medical PD-2200 Multifunction 4MM	3065511		1	EA	\$83.00	\$83.00	N/A
6515015867368		Defib Analyzer, Impulse 7000DP	2811919		1	EA	\$4,012.00	\$4,012.00	N/A
NSN Not Required		Literature, Operator	3028681		1	EA	\$0.00	\$0.00	N/A

**ANALYZER DEFIBRILLATOR ARMY KIT**  
**WEB LINKS**

**[Click Below for Users Manual](#)**

[http://assets.fluke.com/manuals/7000dp\\_\\_umeng0100.pdf](http://assets.fluke.com/manuals/7000dp__umeng0100.pdf)

## ANALYZER INTRAVENOUS

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**MANUFACTURER: FLUKE BIOMEDICAL**

**Manufacturer Model# 2250063**

**Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000**

**Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>**  
**<>**

**Item Web Link:**

**<http://www.flukebiomedical.com/biomedical/usen/biomedical-test/performance-analyzers/ida-4-plus.htm?PID=56325>**

**AAC 'L' ITEM NSN 6515-01-536-2122**

**UAs: 9304 , T500 , T501 , T503**

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

**UNIT PRICE: \$4,699.00**

**System Description:** The IDA 4 Plus Multi-Channel Infusion Device Analyzer provides full testing capability for infusion pumps. Available in 1-, 2-, 3-, or 4-channel versions for testing multiple infusion devices simultaneously.

**Features:**

- Upgrade path for additional channels
- Quick, accurate measurement of steady or nonsteady flow patterns
- Volume/flow measurement
- Occlusion-pressure measurements to 45 psi
- PCA bolus testing with or without a basal rate
- Dual-flow (piggyback) measurements
- RS232, keyboard, printer, alarm/PCA trigger ports
- Onboard graphing of pressure and flow

**NOTE: LIN J27104**



**ANALYZER INTRAVENOUS INFUSION PUMP TESTER**  
**PART # 2250063**  
**NSN 6515015362122**



ANALYZER INTRAVENOUS INFUSION PUMP TESTER BACK VIEW  
 PART # 2250063  
 NSN 6515015362122

**ANALYZER INTRAVENOUS  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>11.9</b>
	<b>Width (Inches)</b>	<b>7.2</b>
	<b>Length (Inches)</b>	<b>7.5</b>
	<b>Cube (Cubic Feet)</b>	<b>0.3719</b>
	<b>Weight</b>	<b>11 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	
	<b>Width (Inches)</b>	
	<b>Length (Inches)</b>	
	<b>Cube (Cubic Feet)</b>	
	<b>Weight</b>	
<b>Storage Temp</b>		<b>32 to 104 °F</b>
<b>Operating Temp</b>		<b>59 to 86 °F</b>
<b>Storage Humidity</b>		<b>85% or less</b>
<b>Operating Humidity</b>		<b>85% or less</b>
<b>Amps</b>		<b>0.25</b>
<b>Watts</b>		<b>22.5 to 65</b>
<b>Power Requirements</b>	<b>Auto-switching to any voltage from 90 to 260 VAC, 50/60 Hz</b>	
<b>Notes</b>		

**ANALYZER INTRAVENOUS  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515015362122		Analyzer Intravenous	2250063		1	EA	\$4,699.00	\$4,699.00	N/A
	Awaiting NSN	20 ml priming syringe	2217231		1	EA	Incl w/NSN 2122	Incl w/NSN 2122	N/A
	Awaiting NSN	5' plastic drain line	2238909		1	EA	Incl w/NSN 2122	Incl w/NSN 2122	N/A
	Awaiting NSN	Luerlock-3 way (one for each channel)	2391750		1	EA	Incl w/NSN 2122	Incl w/NSN 2122	N/A
	Awaiting NSN	PC to IDA 4 Plus serial communication cable	2238626		1	EA	Incl w/NSN 2122	Incl w/NSN 2122	N/A
NSN Not Required		Literature, Operator	2213506		1	EA	Incl w/NSN 2122	Incl w/NSN 2122	N/A
NSN Not Required		Power Cord (country specific)	284174		1	EA	Incl w/NSN 2122	Incl w/NSN 2122	N/A

**ANALYZER INTRAVENOUS  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	20 ml priming syringe	2217231		1	EA	\$22.00	\$22.00	N/A
	Awaiting NSN	5' plastic drain line	2238909		1	EA	\$16.90	\$16.90	N/A
	Awaiting NSN	Luerlock-3 way (one for each channel)	2391750		1	EA	\$20.00	\$20.00	N/A
	Awaiting NSN	PC to IDA 4 Plus serial communication cable	2238626		1	EA	\$12.95	\$12.95	N/A
NSN Not Required		Literature, Operator	2213506		1	EA	\$421.00	\$421.00	N/A
NSN Not Required		Power Cord (country specific)	284174		1	EA	\$6.05	\$6.05	N/A

**ANALYZER INTRAVENOUS  
WEB LINKS**

**[Click Below for Operators Manual](#)**

**<<http://www.flukebiomedical.com/Biomedical/usen/Support/Manuals/default.htm?ProductId=56325>>**

**Click Below for Equipment Support Plans. Note: Only available to personnel who reside in a Military (.mil) domain. Please select the plans you wish to receive and enter your email address. Support Plans include 10/20 Standards, maintenance intervals, Maintenance Allowance Chart, and more.**

**<[http://www.usamma.army.mil/assets/apps/email\\_doc/email\\_doc\\_index.cfm](http://www.usamma.army.mil/assets/apps/email_doc/email_doc_index.cfm)>**



## ANALYZER NON-INVASIVE BLOOD PRESSURE

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### MANUFACTURER: FLUKE BIOMEDICAL

Manufacturer Model# 9515-0502

Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000

Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>  
<>

### Item Web Link:

<http://www.flukebiomedical.com/biomedical/usen/biomedical-test/simulators-&-controllers/cufflink.htm?PID=55920>>

AAC 'J' ITEM NSN 6515-01-449-1423

UAs: 9304 , T500 , T501 , T503

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

UNIT PRICE: \$5,019.00

**System Description:** The CuffLink Non-Invasive Blood Pressure (NIBP) Analyzer offers a quick, reliable, and consistent way to evaluate the operation and performance of oscillometric NIBP signals.

With user-programmable selections, the CuffLink will simulate the full range of normal, hypertensive, and hypotensive dynamic NIBP waveforms representing typical adult, infant, and neonatal patients. The analyzer can also generate normal, bradycardia, and tachycardia rhythm selections with a wide range of weak, normal, and strong peripheral pulses. A variety of parameters allow creation and storage of five custom autosequences within the unit. In addition to the programmable blood-pressure target values, these autosequences can include static pressure, leak, and over-pressure relief valve “pop-off” tests.

CuffLink features an internal compressor, automating the static pressure measurements, leak testing, and relief-valve testing. Setting and adjusting cuff pressure levels is easy and provides consistent cuff-inflation levels for the tests.

- Features:**
- Dynamic oscillometric non-invasive blood-pressure simulation
  - Automated static-pressure measurements, leakage testing, and relief-valve testing
  - Five automated NIBP testing autosequences
  - Five arrhythmia selections
  - Adult and neonatal NIBP selections
  - Adjustable heart rate values
  - Direct interface with medTester 5000C

**NOTE: LIN A27104**



**ANALYZER NON-INVASIVE BLOOD PRESSURE (ANBP)  
PART # 9515-0502  
NSN 6515014491423**

**ANALYZER NON-INVASIVE BLOOD PRESSURE  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>5</b>
	<b>Width (Inches)</b>	<b>12.5</b>
	<b>Length (Inches)</b>	<b>15</b>
	<b>Cube (Cubic Feet)</b>	<b>0.5425</b>
	<b>Weight</b>	<b>15 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	
	<b>Width (Inches)</b>	
	<b>Length (Inches)</b>	
	<b>Cube (Cubic Feet)</b>	
	<b>Weight</b>	
<b>Storage Temp</b>		<b>32 to 122 °F</b>
<b>Operating Temp</b>		<b>59 to 95 °F</b>
<b>Storage Humidity</b>		<b>0 to 90%</b>
<b>Operating Humidity</b>		<b>0 to 90%</b>
<b>Amps</b>		<b>0.42</b>
<b>Watts</b>		<b>50 (100 Peak)</b>
<b>Power Requirements</b>	<b>120/250 VAC, 50/60 Hz</b>	
<b>Notes</b>		

**ANALYZER NON-INVASIVE BLOOD PRESSURE  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515014491423		Analyzer Non-Invasive Blood Pressure	9515-0502		1	EA	\$5,019.00	\$5,019.00	N/A
	Awaiting NSN	Accessory Pouch	2392832		1	EA	Incl w/NSN 1423	Incl w/NSN 1423	N/A
	See Table Below for Kit Components	CuffLink Adapter Kit	2245300		1	EA	Incl w/NSN 1423	Incl w/NSN 1423	N/A
	Awaiting NSN	End Blocks	2392370		2	EA	Incl w/NSN 1423	Incl w/NSN 1423	N/A
6625016057412		Mandrel Test Cylindrical Cuff Neonatal	2392328		1	EA	Incl w/NSN 1423	Incl w/NSN 1423	N/A
6625016057620		Block Mandrel Test Spacer	2392381		3	EA	Incl w/NSN 1423	Incl w/NSN 1423	N/A
NSN Not Required		Literature, Operator	2242915		1	EA	Incl w/NSN 1423	Incl w/NSN 1423	N/A

**ANALYZER NON-INVASIVE BLOOD PRESSURE  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Accessory Pouch	2392832		1	EA	\$54.00	\$54.00	N/A
	See Table Below for Kit Components	CuffLink Adapter Kit	2245300		1	EA	\$278.00	\$278.00	N/A
	Awaiting NSN	End Blocks	2392370		2	EA	\$35.00	\$70.00	N/A
6625016057412		Mandrel Test Cylindrical Cuff Neonatal	2392328		1	EA	\$60.00	\$60.00	N/A
6625016057620		Block Mandrel Test Spacer	2392381		1	EA	\$42.00	\$42.00	N/A

**ANALYZER NON-INVASIVE BLOOD PRESSURE**  
**ITEM TABLES**

**CuffLink Adapter Kit (PN 2245300) Components**

DESCRIPTION	PN
Male/Female LUER Locking	2242233
Female/Mole LUER Non-Locking Taper	2242225
5/32" Male/Male Hose Barb	2242257
1/4" Male/Male Hose Barb	2242284
1/8" Male/Male Hose Barb	2242240
Male/Female Clippard (Critikon, Siemens)	2242190
Colder/CPC (Marquette, Protocol)	2242202
OBAC Quick Release (Hewlett Packard)	2242216



## CALIBRATOR-ANALYZER HOSPITAL EQUIPMENT

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**MANUFACTURER: FLUKE BIOMEDICAL**

**Manufacturer Model# 2647336**

**Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000**

**Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>**  
[/](#)

**Item Web Link:**

<http://www.flukebiomedical.com/biomedical/usen/biomedical-test/performance-analyzers/vt-plus-hf.htm?PID=56859>

**AAC 'L' ITEM NSN 6515-01-541-2864**

**UAs: T500, T501, T503, T505**

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

**UNIT PRICE: \$12,558.30**

**System Description:** The VT PLUS HF, an enhanced version of the popular VT PLUS general-purpose gas flow analyzer, evaluates the pressure, flow and volume delivered by a variety of devices. The VT PLUS HF features special modes designed specifically for testing mechanical patient ventilators, including High-Frequency Oscillatory Ventilators (HFOV).

- Features:**
- Completely standalone operation
  - Bidirectional flow measurements
  - Vacuum and pressure measurements
  - Liquid-pressure measurement
  - RS232 and printer ports
  - High-resolution graphical display
  - 18 secondary calculations
  - User-accessible O2 concentration sensor
  - Complete adapter kit
  - Multiple units of measure for all parameters
  - Minimum, maximum, average, absolute, and graph for all parameters
  - Graphics software compatible with Windows 98, NT, and 2000, providing an interface for recording/playback of calculated data for most VT PLUS HF functions
  - Compatibility with ventilators utilizing bias-flow, PEEP, CPAP, pressure-support, and volume-support technologies
  - Special HFOV mode for high-frequency oscillatory ventilator performance testing
  - Special RT-200 emulation mode for use of familiar RT-200 functions

**NOTE: LIN C61523**



**TESTER VENTILATOR  
PART # 2647336  
NSN 6515015412864**



**TESTER VENTILATOR BACK AND OPPOSITE SIDE VIEW  
PART # 2647336  
NSN 6515015412864**



**ACCESSORY KIT  
PART # 2131367**



**CASE, CARRYING**



**PC LAPTOP PORTABLE (DELL D630)  
PART # 2096758  
NSN 7010015025490**



**CASE, CARRYING (DELL)**

**CALIBRATOR-ANALYZER HOSPITAL EQUIPMENT  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>7.2</b>
	<b>Width (Inches)</b>	<b>9</b>
	<b>Length (Inches)</b>	<b>11.8</b>
	<b>Cube (Cubic Feet)</b>	<b>0.4425</b>
	<b>Weight</b>	<b>10.8 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	
<b>Storage Temp</b>		<b>32 to 122 °F</b>
<b>Operating Temp</b>		<b>59 to 95 °F</b>
<b>Storage Humidity</b>		<b>0 to 90 %</b>
<b>Operating Humidity</b>		<b>0 to 90 %</b>
<b>Amps</b>		<b>1.32</b>
<b>Watts</b>		<b>132</b>
<b>Power Requirements</b>	<b>100 to 240 VAC, 50/60 Hz</b>	
<b>Notes</b>		

**CALIBRATOR-ANALYZER HOSPITAL EQUIPMENT  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515015412864		Calibrator-Analyzer Hospital Equipment	2647336		1	EA	\$12,558.30	\$12,558.30	N/A
	Awaiting NSN; See Table Below for Kit Contents	Accessory Kit	2131367		1	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A
	Awaiting NSN	Carrying Case	2222822		1	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A
	Awaiting NSN	Power Cord (Country Specific)	284174		1	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A
	Awaiting NSN	Serial Cable	2238659		1	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A
	Awaiting NSN	Tilt Stand	2133387		1	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A
		Adaptor USB to Serial	1C99A-R3		2	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A
6695014916615		Calibrator-Analyzer Hosp Equipment	2128272		1	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A
7010015025490		PC Laptop Portable Controller	2096758		1	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A
NSN Not Required		Literature, Operator	2137275		1	EA	Incl w/NSN 2864	Incl w/NSN 2864	N/A

**CALIBRATOR-ANALYZER HOSPITAL EQUIPMENT  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN; See Table Below for Kit Contents	Accessory Kit	2131367		1	EA	\$118.00	\$118.00	N/A
	Awaiting NSN	Carrying Case	2222822		1	EA	\$137.00	\$137.00	N/A
	Awaiting NSN	Power Cord (Country Specific)	284174		1	EA	\$6.05	\$6.05	N/A
	Awaiting NSN	Serial Cable	2238659		1	EA	\$75.00	\$75.00	N/A
	Awaiting NSN	Tilt Stand	2133387		1	EA	\$0.00	\$0.00	N/A
		Adaptor USB to Serial	1C99A-R3		1	EA	\$6.50	\$6.50	N/A
6695014916615		Calibrator-Analyzer Hosp Equipment	2128272		1	EA	\$9,124.00	\$9,124.00	N/A
7010015025490		PC Laptop Portable Controller	2096758		1	EA	\$0.00	\$0.00	N/A
NSN Not Required		Literature, Operator	2137275		1	EA	\$0.00	\$0.00	N/A

**CALIBRATOR-ANALYZER HOSPITAL EQUIPMENT**  
**WEB LINKS**

**[Click Below for Literature, Operator Manual / Select Language](#)**

**<http://www.flukebiomedical.com/Biomedical/usen/Support/Manuals/default.htm?ProductId=56859>**



# CALIBRATOR-ANALYZER HOSPITAL EQUIPMENT

## ITEM TABLES

### **Accessory Kit**

Nomenclature	PN	QTY	UI	DIST/MFG
Filter, external (bacterial).	2133712	1	EA	Fluke Biomedical Corp
Adapter, DISS 02 nut and nipple With 1/4 in I.D. hose barb	2391777	1	EA	Fluke Biomedical Corp
Tubing adapter, directional (15 mm OD x 15 mm OD)	2133310	2	EA	Fluke Biomedical Corp
Tubing adapter (22 mm OD x 22 mm ID)	2133305	2	EA	Fluke Biomedical Corp
Tubing adapter (22 mm OD x 22 mm OD)	2133291	2	EA	Fluke Biomedical Corp
Tubing adapter (15 mm OD x 22 mm OD)	2133269	2	EA	Fluke Biomedical Corp
Tubing adapter (15 mm OD x 15 mm OD)	2133278	2	EA	Fluke Biomedical Corp
Tubing adapter (15 mm ID x 15 mm OD)	2133284	2	EA	Fluke Biomedical Corp
Tubing adapter, narrow bore	2133322	2	EA	Fluke Biomedical Corp
Barb (luer lock – male to 1/89 in ID tubing)	2213679	2	EA	Fluke Biomedical Corp
Tubing adapter (1/4" NPT male to 1/8" ID tubing barb fitting)	2133240	2	EA	Fluke Biomedical Corp
Tubing adapter (luer lock 1/16" to bulkhead connection)	2133202	2	EA	Fluke Biomedical Corp
Fuse (500 mA)	2133932	1	EA	Fluke Biomedical Corp
Tubing 1/8 in 4 ft long	2392848	2	EA	Fluke Biomedical Corp

**KIT CALIBRATION VENTILATOR-USE WITH 754M**

**TOC**

**MANUFACTURER: BIG DOG SCIENTIFIC, INC.**

**Manufacturer Model# 754VT-0101**

**Manufacturer's PHONE: (703) 709-5323 FAX: (703) 709-5324**

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

**AAC 'L' ITEM NSN 6530-01-546-1369**

**UAs: N523, N725, T500, T501, T503**

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

**UNIT PRICE: \$898.00**

**System Description:** Used for calibration and testing of Impact 754M Ventilators.

For use in testing Ventilator Volume Portable, NSN: 6530-01-464-0267.



**KIT CALIBRATION VENTILATOR - USE WITH MODEL 754M VENTILATOR**  
**PART # 754VT-0101**  
**NSN 6530015461369**

**KIT CALIBRATION VENTILATOR-USE WITH 754M  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>9.75</b>
	<b>Width (Inches)</b>	<b>22</b>
	<b>Length (Inches)</b>	<b>9.5</b>
	<b>Cube (Cubic Feet)</b>	<b>1.1793</b>
	<b>Weight</b>	<b>11 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	
	<b>Width (Inches)</b>	
	<b>Length (Inches)</b>	
	<b>Cube (Cubic Feet)</b>	
	<b>Weight</b>	
<b>Storage Temp</b>		
<b>Operating Temp</b>		
<b>Storage Humidity</b>		
<b>Operating Humidity</b>		
<b>Amps</b>		
<b>Watts</b>		
<b>Power Requirements</b>	<b>None</b>	
<b>Notes</b>	See Table at end of UA for equipment item kits.	

**KIT CALIBRATION VENTILATOR-USE WITH 754M  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Big Dog Scientific, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530015461369		Kit Calibration Ventilator- Use with 754M	754VT- 0101		1	EA	\$898.00	\$898.00	N/A
6515013821927		02 Sensor Tee	0212-0763- 100		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
6515014661195		Patient Circuit (Modified) Tee (1/8" x 1/8" x 1/8")	820-0067- 15		2	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
6515015185060		Oxygen Adapter Bleed-In Reservoir F/Ventilators 15s	820-0097- 15		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		"Y" Fitting	KC213-D		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		1/8" Female Luer-Lock	51525K213		4	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		1/8"x1/8"x1/8" Tee	5117K13		2	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		1/8"x1/8"x3/16" Tee	5117K25		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		1/8"x3/16"x3/16" Tee	5117K31		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		60CC Syringe W/Luer- Lock (30 to a box)	U-07940- 24		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required	See Table Below for Kit Contents	Battery Dummy Load Kit			1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Calibration Accumulation Chamber	571-0008- 00		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Case, 22"	2H176		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Computer Calibration Software, Compact Disk (CD)	909-0754- 02		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		DB25 Male/Female Cable, 6FT	83K3679		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		DB9 Female to DB25 Male Adapter	41K9118		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		DB9 Male/Female Cable, 6FT	83K3689		2	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Hose, 36" Humidifier, from Patient Circuit			1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required	See Table Below for Kit Contents	Pushbutton Switch Kit			1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Test Fixture (1/8x1/8x1/8 Tube with Female Luer- Lock)			1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Test Fixture (1/8x1/8x3/16 Tube with Female Luer- Lock)			1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Test Fixture (1/8x3/16x3/16 Tube with Female Luer-Lock)			1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Tubing 1/8" ID, 2 Ft	5554K11		12	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A
NSN Not Required		Tubing 3/16" ID, 1.5 Ft	5554K12		4	FT	Incl w/NSN 1369	Incl w/NSN 1369	N/A

**ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Big Dog Scientific, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
NSN Not Required		W/Connector Tee (1/8" x 1/8" x1/8")	5117K13		1	EA	Incl w/NSN 1369	Incl w/NSN 1369	N/A

**KIT CALIBRATION VENTILATOR-USE WITH 754M  
ACCESSORIES & CONSUMABLES**

**NO RESUPPLY ITEMS**

# **KIT CALIBRATION VENTILATOR-USE WITH 754M**

## **ITEM TABLES**

### **Pushbutton Switch Kit Contents**

Nomenclature	PN	QTY	UI	DIST/MFG
Speaker Wire, 18/2AWG, 2.5FT	70405K34	2.5	FT	McMaster
Pushbutton Switch, 3A, 125VAC	275-617	1	EA	Radio Shack
.100 Terminal Housing	38C9133	1	EA	Newark Elect
.100 Crimp Terminals	44F8234	2	EA	Newark Elect

### **Battery Dummy Load Kit Contents**

Nomenclature	PN	QTY	UI	DIST/MFG
Connector Plug w/Wire	099-0009-02	1	EA	Impact Inst
Resistor, 30 OHM, 35W, 5%	01F9771	1	EA	Newark Elect
Shrink Tubing, 1 1/2" ID to 3/4"	7864K38	1	EA	McMaster

**MANUFACTURER: FLUKE BIOMEDICAL**

**Manufacturer Model# 07-621**

**Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000**

**Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>**  
**<>**

**Item Web Link:**

**<http://www.flukebiomedical.com/biomedical/usen/diagnostic-imaging-qa/x-ray-qa-instruments/07-621.htm?PID=54324>**

**AAC 'L' ITEM NSN 6695-01-574-8935**

**UAs: T500, T501, T503**

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

**UNIT PRICE: \$945.00**

**System Description:** This Precision Photometer utilizes a filtered sensor with spectral response tightly calibrated to the International Commission on Illumination (CIE) photo pic response. The illuminance receptors closely follow the Cosine Law relative sensitivity versus angle of illuminance.

The Precision Photometer is a highly accurate instrument designed to measure both illuminance (the amount of light falling on a surface) in lux (lumens per m<sup>2</sup>) and luminance (the amount of light emitted from a surface) in nit (candela per m<sup>2</sup>).

The Precision Photometer easily and quickly verifies that an x-ray collimator light or CT system light source used for patient alignment and localization is in accordance with regulations and guidelines. It also measures the brightness and uniformity of an x-ray view box, quickly detecting non-uniformity (which may appear as artifacts, causing misdiagnosis). This battery-operated photometer has a bright LED display and only two operating controls: "Measure" for taking a reading, and "Range" to adjust the meter display to the light level being measured.

- Features:**
- Easy-to-read digital display
  - Small -- convenient to carry; supplied with its own carrying case
  - Rugged construction
  - Measure button: press it to get continuously updated readings. Releasing the measure button freezes the last reading for convenient reference
  - Range button: adjusts the measurement display for the resolution desired
  - LED display: visible in very dim light, as well as direct sunlight. LED displays are inherently robust in comparison to liquid crystal displays (LCDs)
  - The battery-powered photometer provides tens of thousands of readings

**NOTE: LIN M38443**



**METER ILLUMINATION INTENSITY PHOTODIODE**  
**PART # 07-621**  
**NSN 6695015748935**



**CASE**  
**PART # 89-621**

**METER ILLUMINATION INTENSITY PHOTODIODE  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>0.98</b>
	<b>Width (Inches)</b>	<b>2.76</b>
	<b>Length (Inches)</b>	<b>3.94</b>
	<b>Cube (Cubic Feet)</b>	<b>0.0062</b>
	<b>Weight</b>	<b>4 oz</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	
<b>Storage Temp</b>		
<b>Operating Temp</b>		<b>41 to 104 °F</b>
<b>Storage Humidity</b>		
<b>Operating Humidity</b>		<b>Maximum 95% relative humidity, noncondensing</b>
<b>Amps</b>		
<b>Watts</b>		
<b>Power Requirements</b>	<b>Batteries: Four each 1.5V, Type A-76 alkaline button cells, or silver oxide types, MS-76, 10L 14, RW-42, 357</b>	
<b>Notes</b>		

**METER ILLUMINATION INTENSITY PHOTODIODE  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6695015748935		Meter Illumination Intensity Photodiode	07-621		1	EA	\$945.00	\$945.00	N/A
	Awaiting NSN	Case	89-621		1	EA	Incl w/NSN 8935	Incl w/NSN 8935	N/A
NSN Not Required		Batteries, 1.5V, Alkaline Button Cells or Silver Oxide Types	A-76	MS-76, 10L 14, RW-42, 357	4	EA	Incl w/NSN 8935	Incl w/NSN 8935	N/A
NSN Not Required		Literature Operator			1	EA	Incl w/NSN 8935	Incl w/NSN 8935	N/A

**METER ILLUMINATION INTENSITY PHOTODIODE  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Case	89-621		1	EA	\$95.00	\$95.00	N/A

**METER ILLUMINATION INTENSITY PHOTODIODE**  
**WEB LINKS**

**[Click Below for Literature, Operator Manual](http://assets.fluke.com/manuals/07-621_umeng0400.pdf)**  
**<[http://assets.fluke.com/manuals/07-621\\_umeng0400.pdf](http://assets.fluke.com/manuals/07-621_umeng0400.pdf)>**

## OSCILLOSCOPE MEDICAL SCOPEMETER DEVICE

[TOC](#)

### MANUFACTURER: FLUKE BIOMEDICAL

Manufacturer Model# 190M

Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000

Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>  
>

### Item Web Link:

<http://www.flukebiomedical.com/biomedical/usen/Portable-Oscilloscopes/190M-Medical-ScopeMeter.htm?PID=74319>>

AAC 'L' ITEM NSN 6625-01-615-2679

UAs: T500, T501, T502, T503, T505

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

UNIT PRICE: \$4,895.00

**System Description:** The 190M Medical ScopeMeter® Portable Oscilloscope is a high-performance, portable oscilloscope that combines the power of a high performance oscilloscope, multimeter and paperless recorder in one test tool. It is used to calibrate, repair, and/or assess functioning of medical devices and other equipment used in healthcare. The 190M has a CAT III 1000 V/CAT IV 600 V rating. It has increased deep memory: 10,000 point per trace waveform capture, so you can examine very small parts of the waveform in detail. Has new battery door accessibility for battery swap out, and optional charger to have the ability to charge another battery. It is environmentally tested to meet IP-51 dust-proof and drip-proof rating and withstand 3 g vibration or 30 g shock. Has two isolated USB host port for direct data storage to a USB memory device. It also has a security slot: lock down oscilloscope with Kensington R lock while unattended. The 190M has four electrically isolated inputs; 6 in full color lcd w/ LED backlight; resolution: 320 x 240 pixels; rugged, shock-proof w/ integrated protective holster; weight: 4.8 lb.

**Features:**

- The first oscilloscope on the market with CAT III 1000 V/CAT IV 600 V rating
- Increased deep memory: 10,000 point per trace waveform capture, so you can examine very small parts of the waveform in detail
- New battery door accessibility for battery swap out, and optional charger to have the ability to charge another battery
- Environmentally tested to meet IP-51 dust-proof and drip-proof rating and withstand 3 g vibration or 30 g shock
- Isolated USB host port for direct data storage to a USB memory device

Security slot: lock down oscilloscope with Kensington R lock while unattended



**OSCILLOSCOPE MEDICAL SCOPEMETER DEVICE  
PART # FBC4115804EA  
NSN 6625016152679**

**OSCILLOSCOPE MEDICAL SCOPEMETER DEVICE  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>10.4</b>
	<b>Width (Inches)</b>	<b>2.8</b>
	<b>Length (Inches)</b>	<b>7.5</b>
	<b>Cube (Cubic Feet)</b>	<b>0.1264</b>
	<b>Weight</b>	<b>4.8</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	
<b>Storage Temp</b>		<b>-4 to 140 °F (-20 to 60 °C)</b>
<b>Operating Temp</b>		<b>32 to 104 °F (0 to 40 °C)</b>
<b>Storage Humidity</b>		
<b>Operating Humidity</b>		<b>95 % Non-condensing (See note below for more information)</b>
<b>Amps</b>		
<b>Watts</b>		
<b>Power Requirements</b>	<b>120 VAC ± 10%, 50/60 Hz (for Power Adapter BC190)</b>	
<b>Notes</b>	<b>Humidity:</b>  <b>50 to 86 °F (10 to 30 °C): 95 % RH Non-condensing</b> <b>86 to 104 °F (30 to 40 °C): 75 % RH Non-condensing</b> <b>104 to 122 °F (40 to 50 °C): 45 % RH Non-condensing</b>	

**OSCILLOSCOPE MEDICAL SCOPEMETER DEVICE  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6625016152679		Oscilloscope Medical Scopemeter Device	FBC41158 04EA		1	EA	\$4,895.00	\$4,895.00	N/A
NSN Not Required		External Battery Charger For BP290 and BP291	EBC290		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required		FlukeView Software Activation Key (Card)	N/A		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required		FlukeView Software for Windows	SW90W		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required		Hanging Strap	946769		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required		Hard Shell Protective Carrying Case	C290		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required		Li-Ion Battery Pack, 4800 mAh	BP291		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required		Literature, Operator's Manual	N/A		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required	See Table Below for Kit Contents	Medical Accessory Kit	MA190		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required		TwistGuard™ Safety-Designed Test Leads Set (1 Red, 1 Black)	TL175		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required		USB Interface Cable for PC Connection (USB-A to Mini-USB-B)	N/A		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required	See Table Below for Set Contents	Voltage Probe Set, 10:1, 300 MHz, One Set Blue	VPS410-B		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required	See Table Below for Set Contents	Voltage Probe Set, 10:1, 300 MHz, One Set Gray	VPS410-G		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required	See Table Below for Set Contents	Voltage Probe Set, 10:1, 300 MHz, One Set Green	VPS410-V		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A
NSN Not Required	See Table Below for Set Contents	Voltage Probe Set, 10:1, 300 MHz, One Set Red	VPS410-R		1	EA	Incl w/NSN 2679	Incl w/NSN 2679	N/A

**OSCILLOSCOPE MEDICAL SCOPEMETER DEVICE  
ACCESSORIES & CONSUMABLES**

**NO RESUPPLY ITEMS**

**OSCILLOSCOPE MEDICAL SCOPEMETER DEVICE**  
**ITEM TABLES**

**Medical Accessory Kit Contents (P/N MA190)**

Nomenclature	QTY	UI
50 Ohm BNC Feed-Through	1	EA
50 Ohm 10:1 Attenuator Feed Through	1	EA
1 Ohm Current Shunt	1	EA
50 Ohm Current Shunt	1	EA
50 Ohm Coax Cable	1	EA
Female BNC to 4 mm Banana Adapter	1	EA
Two Female to Female 4 mm Banana Plug Adapters	2	EA

**Voltage Probe Set Components**

Nomenclature	U/I	QTY
10:1 Voltage Probe, 300 MHz (Color-coded)	1	EA
NOTE: Each Set contains a Red, Blue, Gray, or Green Voltage Probe (above) PLUS:		
Hook Clip for Probe Tip (Black)	1	EA
Ground Lead with Mini Alligator Clip (Black)	1	EA
Ground Spring for Probe Tip (Black)	1	EA
Insulation Sleeve (Black)	1	EA



## OSCILLOSCOPE X-RAY SCOPEMETER

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**MANUFACTURER: FLUKE ELECTRONICS**

**Manufacturer Model# 199XRAY**

**Manufacturer's PHONE: (800) 443-5853 FAX: (425) 446-5116**

**Manufacturer's Website: <http://us.fluke.com/usen/home/default.htm>**

**Item Web Link:**

<http://www.flukebiomedical.com/biomedical/usen/Biomedical-Test/Performance-Analyzers/199XRay.htm?PID=54537>

**AAC 'L' ITEM NSN 6625-01-598-3565**

**UAs: T500, T501, T502, T503, T505**

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

**UNIT PRICE: \$4,765.60**

**System Description:** The 199XRAY Medical ScopeMeter has all of the normal oscilloscope functions, as well as the speed, performance, and analysis power for the more demanding applications. This high-performance oscilloscope offers specifications found on top-end bench instruments. With up to 200 MHz bandwidth, 2.5 GS/s real-time sampling, and a deep memory of 27,500 points per input, the 199XRAY is ideal for engineers who need the full capabilities of a high-performance oscilloscope in a handheld, battery-powered instrument.

- Features:**
- Up to 200 MHz bandwidth
  - Up to 2.5 GS/s real-time sampling
  - Connect-and-View™ automatic triggering for an instant stable waveform
  - Digital Persistence for analyzing complex dynamic waveforms similar to analog scopes
  - Fast display update rate for seeing dynamic behavior instantaneously
  - Automatic capture and replay of 100 screens
  - 27,500 points per input record length using ScopeRecord™ mode
  - TrendPlot™ paperless chart recorder for trend analysis up to 22 days
  - Up to 1000 V independently floating isolated inputs
  - Waveform reference for visual comparisons and automatic pass/fail testing of waveforms
  - Vpwm function for motor drive and frequency inverter applications
  - 1000 V CAT II and 600 V CAT III safety certified

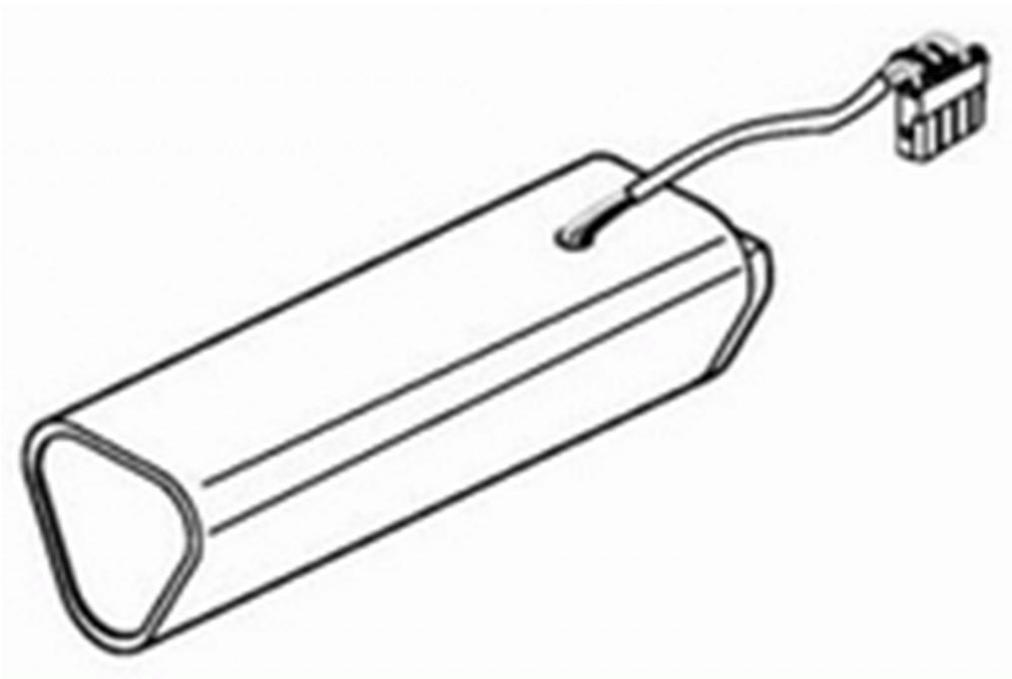
**NOTE: LIN P43667**



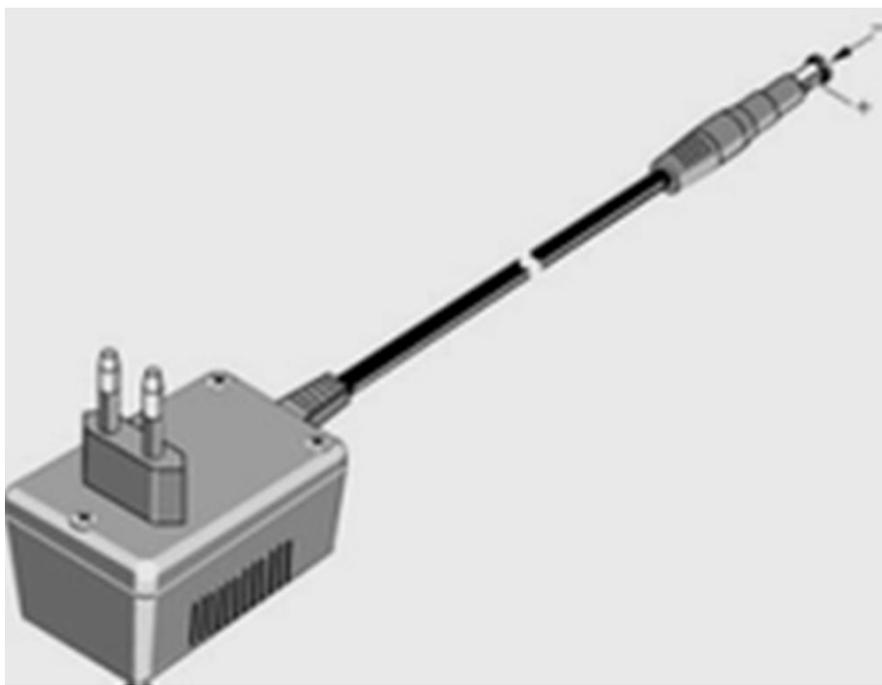
**OSCILLOSCOPE X-RAY SCOPEMETER  
PART # 199XRAY  
NSN 6625015983565**



**HARD CASE  
PART # C190**



**BATTERY PACK NIMH  
PART # BP190**



**CHARGER, LINE VOLTAGE  
PART # BC190**



**TEST LEAD SET, HARD POINT  
PART # TL75**



**VOLTAGE PROBE, GREY  
PART # VPS210-G**



**VOLTAGE PROBE, RED  
PART # VPS210-R**



**CABLE, INTERFACE  
PART # OC4USB**



**SCOPEMETER SHOWN WITH BUILT IN TILT STAND**



**ACCESSORY KIT MEDICAL VIDEO  
PART # MA190**

**OSCILLOSCOPE X-RAY SCOPEMETER  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>2.5</b>
	<b>Width (Inches)</b>	<b>6.7</b>
	<b>Length (Inches)</b>	<b>10.1</b>
	<b>Cube (Cubic Feet)</b>	<b>0.0979</b>
	<b>Weight</b>	<b>4.4 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	
	<b>Width (Inches)</b>	
	<b>Length (Inches)</b>	
	<b>Cube (Cubic Feet)</b>	
	<b>Weight</b>	
<b>Storage Temp</b>		<b>-4 to 140 °F</b>
<b>Operating Temp</b>		<b>32 to 122 °F</b>
<b>Storage Humidity</b>		<b>104 to 122 °F at 45%</b>
<b>Operating Humidity</b>		<b>50 to 88 °F at 95%</b>
<b>Amps</b>		
<b>Watts</b>		<b>26.25</b>
<b>Power Requirements</b>	<b>Battery voltage rating 7.2 VDC</b>	
<b>Notes</b>		

**OSCILLOSCOPE X-RAY SCOPEMETER  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke Electronics	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6625015983565		Oscilloscope X-Ray Scopemeter	199XRAY		1	EA	\$4,765.60	\$4,765.60	
	Awaiting NSN	Battery Pack, NiMH	BP190		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
	Awaiting NSN	Cable, Interface	OC4USB		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
	Awaiting NSN	Charger Line Voltage	BC190		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
	Awaiting NSN	FlukeView ScopeMeter Software	SW90W		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
	Awaiting NSN	Hard Case	C190		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
	Awaiting NSN	Test Lead Set, Hard Point	TL75		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
	Awaiting NSN	Voltage Probe (200 MHz, 10:1), Grey	VPS210-G		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
	Awaiting NSN	Voltage Probe (200 MHz, 10:1), Red	VPS210-R		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
	Awaiting NSN	Accessory Kit Medical Video	MA190		1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A
NSN Not Required		Literature, Operator			1	EA	Incl w/NSN 3565	Incl w/NSN 3565	N/A

**OSCILLOSCOPE X-RAY SCOPEMETER  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke Electronics	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Battery Pack, NiMH	BP190		1	EA	\$80.00	\$80.00	N/A
	Awaiting NSN	Cable, Interface	OC4USB		1	EA	\$150.00	\$150.00	N/A
	Awaiting NSN	Charger Line Voltage	BC190		1	EA	\$115.85	\$115.85	N/A
	Awaiting NSN	FlukeView ScopeMeter Software	SW90W		1	EA	\$225.00	\$225.00	N/A
	Awaiting NSN	Hard Case	C190		1	EA	\$145.00	\$145.00	N/A
	Awaiting NSN	Test Lead Set, Hard Point	TL75		1	EA	\$17.33	\$17.33	N/A
	Awaiting NSN	Voltage Probe (200 MHz, 10:1), Grey	VPS210-G		1	EA	\$165.00	\$165.00	N/A
	Awaiting NSN	Voltage Probe (200 MHz, 10:1), Red	VPS210-R		1	EA	\$165.00	\$165.00	N/A
	Awaiting NSN	Accessory Kit Medical Video	MA190		1	EA	\$350.00	\$350.00	N/A
NSN Not Required		Literature, Operator			1	EA	\$0.00	\$0.00	N/A

**OSCILLOSCOPE X-RAY SCOPEMETER  
WEB LINKS**

**[Click Below for Literature, Operator Manual](http://assets.fluke.com/manuals/199XRAY_umeng0000.pdf)**  
**<[http://assets.fluke.com/manuals/199XRAY\\_umeng0000.pdf](http://assets.fluke.com/manuals/199XRAY_umeng0000.pdf)>**





## SIMULATOR CARDIAC

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**MANUFACTURER: FLUKE BIOMEDICAL**

**Manufacturer Model# MPS450W/CO**

**Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000**

**Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>**  


**Item Web Link:**

<http://www.flukebiomedical.com/biomedical/usen/biomedical-test/simulators-&-controllers/mps450.htm?PID=56424>

**AAC 'L' ITEM NSN 6625-01-548-3352**

**UAs: T500, T501, T503, T505**

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

**UNIT PRICE: \$2,492.19**

**System Description:** The MPS450 is Fluke Biomedical's next-generation, portable, multiparameter patient simulator for your comprehensive testing and training needs. Cardiac Output and Fetal/Maternal ECG models are also available.

- Features:**
- ECG simulation/12-lead independent outputs
  - 43 arrhythmia selections
  - Four invasive BP channels including Swan-Ganz
  - Respiration simulation
  - Temperature simulation
  - BP synchronization with ECG
  - Large, bright 4-line by 20-character super twist display
  - R-Wave detection test
  - 9 V battery operation
  - External battery tests (9 V)
  - RS232 port for computer control
  - Compact size
  - Front-panel soft-key user interface
  - Universal ECG connectors
  - High-level ECG output
  - Expansion port

**NOTE: LIN S56720**



**SIMULATOR MEDICAL FUNCTIONS, BATTERY OP PORTABLE SELF-CONTAINED  
PART # MPS450W/CO  
NSN 6625015483352**



**CASE, CARRYING**

**SIMULATOR CARDIAC  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>2</b>
	<b>Width (Inches)</b>	<b>7.25</b>
	<b>Length (Inches)</b>	<b>7.5</b>
	<b>Cube (Cubic Feet)</b>	<b>0.0629</b>
	<b>Weight</b>	<b>1.5 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	
<b>Storage Temp</b>		<b>-13 to 122 °F</b>
<b>Operating Temp</b>		<b>50 to 104 °F</b>
<b>Storage Humidity</b>		<b>80% max</b>
<b>Operating Humidity</b>		<b>80% max</b>
<b>Amps</b>		
<b>Watts</b>		
<b>Power Requirements</b>	<b>Two 9-VDC Batteries</b>	
<b>Notes</b>	<b>See Table at end of UA for equipment item kits.</b>	

**SIMULATOR CARDIAC  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6625015483352		Simulator Cardiac	MPS450W/ CO		1	EA	\$2,492.12	\$2,492.12	N/A
	Awaiting NSN	BEUNVSL IEC320C14P, Battery Eliminator	2720054		1	EA	Incl w/NSN 3352	Incl w/NSN 3352	N/A
	Awaiting NSN	Cable, Temp UT-4	3015280		1	EA	Incl w/NSN 3352	Incl w/NSN 3352	N/A
	Awaiting NSN	Cardiac Output Box	2226608		1	EA	Incl w/NSN 3352	Incl w/NSN 3352	N/A
	Awaiting NSN	Case, Carrying, MPS450	2248623		1	EA	Incl w/NSN 3352	Incl w/NSN 3352	N/A
	Awaiting NSN	MPS450, PT Sim (4IBP)	2251364		1	EA	Incl w/NSN 3352	Incl w/NSN 3352	N/A
6515015480993		Cable, BP Phys-Control Vitat Tek	2226856		1	EA	Incl w/NSN 3352	Incl w/NSN 3352	N/A
NSN Not Required		Literature, Operator	2243350		1	EA	Incl w/NSN 3352	Incl w/NSN 3352	N/A

**SIMULATOR CARDIAC  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	BEUNVSL IEC320C14P, Battery Eliminator	2720054		1	EA	\$67.00	\$67.00	N/A
	Awaiting NSN	Cable, Temp UT-4	3015280		1	EA	\$80.00	\$80.00	N/A
	Awaiting NSN	Cardiac Output Box	2226608		1	EA	\$240.00	\$240.00	N/A
	Awaiting NSN	Case, Carrying, MPS450	2248623		1	EA	\$107.00	\$107.00	N/A
	Awaiting NSN	MPS450, PT Sim (4IBP)	2251364		1	EA	\$1,965.00	\$1,965.00	N/A
6515015480993		Cable, BP Phys-Control Vitat Tek	2226856		1	EA	\$111.00	\$111.00	N/A
NSN Not Required		Literature, Operator	2243350		1	EA	\$0.00	\$0.00	N/A

**SIMULATOR CARDIAC  
WEB LINKS**

**[Click Below for Literature, Operator Manual / Select Language](#)**

**<http://www.flukebiomedical.com/Biomedical/usen/Support/Manuals/default.htm?ProductId=56424>**

**SIMULATOR SENSOR CALIBRATING CAPNOSTAT**

**TOC**

**MANUFACTURER: RESPIRONICS, INC.**

**Manufacturer Model# 5776-00**

**Manufacturer's PHONE: (724) 387-4000 FAX: (412) 473-5010**

**Manufacturer's Website: <http://www.capnostat.respironics.com>**

**AAC 'L' ITEM NSN 6515-01-535-2790**

**UAs: T500, T501, T503**

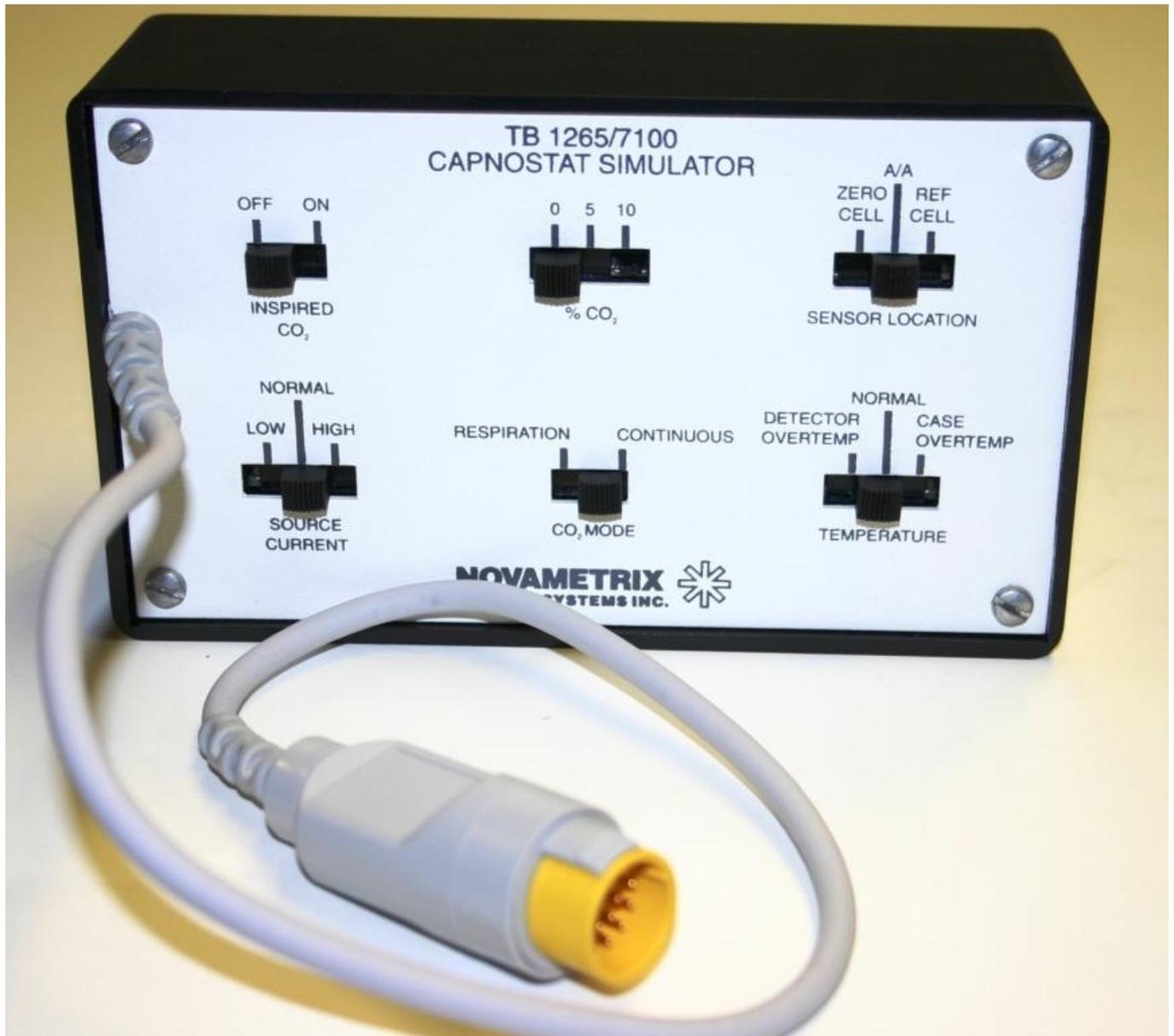
**USAMMA POC: Customer Relations Management 301-619-1288/4301 - DSN 343-1288/4301**

**UNIT PRICE: \$1,152.70**

**System Description:** Simulator sensor used in the calibration of the Capnostat ETC02 patient probe.

Model TB 1265

Made by Respironics Novamatrix.



**SIMULATOR SENSOR F CALIBRATING CAPNOSTAT ETCO2 PATIENT PROBE**  
**PART # 5776-00**  
**NSN 6515015352790**

**SIMULATOR SENSOR CALIBRATING CAPNOSTAT  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>3.3</b>
	<b>Width (Inches)</b>	<b>9</b>
	<b>Length (Inches)</b>	<b>8</b>
	<b>Cube (Cubic Feet)</b>	<b>0.1375</b>
	<b>Weight</b>	<b>8 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	
	<b>Width (Inches)</b>	
	<b>Length (Inches)</b>	
	<b>Cube (Cubic Feet)</b>	
	<b>Weight</b>	
<b>Storage Temp</b>		<b>40 to 104 °F</b>
<b>Operating Temp</b>		<b>40 to 104 °F</b>
<b>Storage Humidity</b>		<b>0 to 90%</b>
<b>Operating Humidity</b>		<b>0 to 90%</b>
<b>Amps</b>		<b>0.25</b>
<b>Watts</b>		<b>25</b>
<b>Power Requirements</b>	<b>100-120/200-240 VAC, 50-60 Hz</b>	
<b>Notes</b>		

**SIMULATOR SENSOR CALIBRATING CAPNOSTAT  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Respironic s, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515015352790		Simulator Sensor Calibrating Capnostat	5776-00		1	EA	\$1,152.70	\$1,152.70	N/A
NSN Not Required	<b>Not sold separately</b>	Cable Assy			1	EA	Incl w/NSN 2790	Incl w/NSN 2790	N/A
NSN Not Required	<b>Not sold separately</b>	Literature, Operator			1	EA	Incl w/NSN 2790	Incl w/NSN 2790	N/A
NSN Not Required	<b>Not sold separately</b>	Spacer and Screw Kit			1	EA	Incl w/NSN 2790	Incl w/NSN 2790	N/A

**SIMULATOR SENSOR CALIBRATING CAPNOSTAT  
ACCESSORIES & CONSUMABLES**

**NO RESUPPLY ITEMS**

## TESTER PULSE OXIMETER

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**MANUFACTURER: FLUKE BIOMEDICAL**

**Manufacturer Model# 2647324**

**Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000**

**Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>**  
**>**

**Item Web Link:**

**<http://www.flukebiomedical.com/biomedical/usen/biomedical-test/simulators-&-controllers/index-2xl-series.htm?PID=56330>**

**AAC 'L' ITEM NSN 6515-01-541-0432**

**UAs: 9304 , T500 , T501 , T503 , T505**

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

**UNIT PRICE: \$5,394.71**

**System Description:** The Index 2 is the most versatile optical simulator for oximeters on the market today. This lightweight, portable tool includes preloaded manufacturers' R-curves and the ability to define other "makes" for most pulse oximeters.

Motion presets, player mode, transmission level control (TLC), and computer commands boost testing ability. The Index 2 can also be configured to include an optional electrical simulation feature with probe test. Optical and electrical simulations allow technicians to isolate problems quickly. The probe test identifies defective probes with quantitative test results.

**Features:**

- Portable
- Ten preloaded manufacturers' R-curves
- User-definable "makes" for most other manufacturers
- New R-curves for Masimo, Nonin and Philips Medical Systems (formerly Agilent / H-P) oximeters
- Six downloadable R-curve spaces available
- Simultaneous simulation of motion and arterial-oxygen levels
- Arterial wave-amplitude scale, calibrated in units of perfusion
- Tap/shiver motion simulations to explore the impact of motion
- RS-232 port for computer control
- Physiological finger for complete SpO2 tests
- Electrical simulations with probe testing

**NOTE: LIN S57953**



**SIMULATOR PULSE OXIMETRY  
PART # INDEX2XLFE  
NSN 6515015410432**

**TESTER PULSE OXIMETER  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>9</b>
	<b>Width (Inches)</b>	<b>16</b>
	<b>Length (Inches)</b>	<b>18</b>
	<b>Cube (Cubic Feet)</b>	<b>1.5</b>
	<b>Weight</b>	<b>10 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	
	<b>Width (Inches)</b>	
	<b>Length (Inches)</b>	
	<b>Cube (Cubic Feet)</b>	
	<b>Weight</b>	
<b>Storage Temp</b>		<b>14 to 122 °F</b>
<b>Operating Temp</b>		<b>59 to 95 °F</b>
<b>Storage Humidity</b>		<b>0 to 90%</b>
<b>Operating Humidity</b>		<b>0 to 90%</b>
<b>Amps</b>		<b>500 mA</b>
<b>Watts</b>		<b>6</b>
<b>Power Requirements</b>	<b>120 VAC, 12 VDC battery</b>	
<b>Notes</b>		

**TESTER PULSE OXIMETER  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515015410432		Tester Pulse Oximeter	2647324		1	EA	\$5,394.71	\$5,394.71	N/A
	Awaiting NSN	Battery Charger, (USA 120 VAC to 12 VDC)	2521465		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
	Awaiting NSN	Cable, Probe Test, Masimo	2226104		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
	Awaiting NSN	Cable, Probe Test, Nellcor	2225945		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
	Awaiting NSN	Cable, Probe Test, Ohmeda	2225938		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
	Awaiting NSN	Cable, Simulation, Masimo	2226029		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
	Awaiting NSN	Cable, Simulation, Nellcor	2226007		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
	Awaiting NSN	Cable, Simulation, Ohmeda	2226018		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
	Awaiting NSN	Case, Soft Carrying	2204282		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
6515015184101		Simulator Pulse Oximetry	INDEX 2XLFE		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A
NSN Not Required		Literature, Operator	2226196		1	EA	Incl w/NSN 0432	Incl w/NSN 0432	N/A

**TESTER PULSE OXIMETER  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Battery Charger, (USA 120 VAC to 12 VDC)	2521465		1	EA	\$0.00	\$0.00	N/A
	Awaiting NSN	Cable, Probe Test, Masimo	2226104		1	EA	\$162.00	\$162.00	N/A
	Awaiting NSN	Cable, Probe Test, Nellcor	2225945		1	EA	\$93.00	\$93.00	N/A
	Awaiting NSN	Cable, Probe Test, Ohmeda	2225938		1	EA	\$154.00	\$154.00	N/A
	Awaiting NSN	Cable, Simulation, Masimo	2226029		1	EA	\$162.00	\$162.00	N/A
	Awaiting NSN	Cable, Simulation, Nellcor	2226007		1	EA	\$98.00	\$98.00	N/A
	Awaiting NSN	Cable, Simulation, Ohmeda	2226018		1	EA	\$162.00	\$162.00	N/A
	Awaiting NSN	Case, Soft Carrying	2204282		1	EA	\$94.00	\$94.00	N/A
6515015184101		Simulator Pulse Oximetry	INDEX 2XLFE		1	EA	\$0.00	\$0.00	N/A
NSN Not Required		Literature, Operator	2226196		1	EA	\$0.00	\$0.00	N/A

**TESTER PULSE OXIMETER  
WEB LINKS**

**[Click Below for Literature, Operator Manual / Select Language](#)**

**<http://www.flukebiomedical.com/Biomedical/usen/Support/Manuals/default.htm?ProductId=56330>**

**Click Below for Equipment Support Plans. Note: Only available to personnel who reside in a Military (.mil) domain. Please select the plans you wish to receive and enter your email address. Support Plans include 10/20 Standards, maintenance intervals, Maintenance Allowance Chart, and more.**

**<[http://www.usamma.army.mil/assets/apps/email\\_doc/email\\_doc\\_index.cfm](http://www.usamma.army.mil/assets/apps/email_doc/email_doc_index.cfm)>**



## TESTER SAFETY ELECTRICAL MED DEVICES

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### MANUFACTURER: FLUKE BIOMEDICAL

Manufacturer Model# 3367232

Manufacturer's PHONE: (440) 498-2565 FAX: (440) 498-0000

Manufacturer's Website: <http://www.flukebiomedical.com/biomedical/usen/home>  
<>

#### Item Web Link:

<http://www.flukebiomedical.com/biomedical/usen/Biomedical-Test/Electrical-Safety-Analyzers/ESA612.htm?PID=55975>>

AAC 'L' ITEM NSN 6625-01-577-6744

UAs: T500, T501, T502, T503, T505

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

UNIT PRICE: \$2,300.00

**System Description:** The Electrical Safety Analyzer is test equipment for biomedical and clinical engineering professionals that perform field service on medical equipment throughout their facilities, in clinics, and anywhere onsite service is required. Portable, lightweight, and designed for operation in tight spaces, the analyzer offers the functionality of a simulator, multimeter, and electrical-safety analyzer in a single test tool.

With selection of two test loads, this versatile product can be used worldwide for compliance testing to preventative maintenance electrical safety standards of choice: ANSI/AAMI ES1:1993 (NFPA-99), IEC62353 (VDE 751), and AN/NZS 3551

The versatility of the multifaceted tester is further expanded with optional automation software, which speeds and simplifies testing and provides high-end analyzer productivity.

- Features:**
- Portable, ergonomic, lightweight, and easy to use
  - Large, easy-to-read display with adjustable contrast
  - Human-factors designed user interface
  - Bale design for stand-up testing in field environments
  - Five applied parts jacks and easy ECG snap connection with optional expander box
  - ECG waveform tests and dual-lead measurements combine the functionality of a simulator, multimeter, and electrical-safety analyzer in a single test tool
  - Replaceable main fuses keep the device in the field and out of the repair shop
  - Internal memory for 100 test records
  - USB connection for use with optional Ansur automation and Data Viewer software (for memory download to PC)
  - Optional Ansur automation software standardizes test procedures, compares results to standard limits, generates/stores reports and provides total digital data management
  - Rigorously tested for rugged field applications, with CE and CS

**NOTE: LIN T61791**



**TESTER SAFETY ELECTRICAL MED DEVICES  
PART # 3367232  
NSN 6625015776744**



**TESTER SAFETY ELECTRICAL MED DEVICES  
PART # 3367232  
NSN 6625015776744  
Side View**



**CABLE, DATA TRANSFER  
PART # 1626219**



**CLIP, ALLIGATOR SET  
PART # 3111008**



**JACK, BANANA 5 TO 5 TOECG (BJ2ECG)  
PART # 3359538**



**ADAPTER, NULL POST  
PART # 3326842**

**TESTER SAFETY ELECTRICAL MED DEVICES  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>11.2</b>
	<b>Width (Inches)</b>	<b>6.94</b>
	<b>Length (Inches)</b>	<b>3.3</b>
	<b>Cube (Cubic Feet)</b>	<b>0.1484</b>
	<b>Weight</b>	<b>3.5 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	
<b>Storage Temp</b>		<b>-4 to 140 °F</b>
<b>Operating Temp</b>		<b>50 to 104 °F</b>
<b>Storage Humidity</b>		
<b>Operating Humidity</b>		<b>10 to 90 % Non-condensing</b>
<b>Amps</b>		<b>20</b>
<b>Watts</b>		<b>2400</b>
<b>Power Requirements</b>	<b>120 VAC, 50/60 Hz</b>	
<b>Notes</b>		

**TESTER SAFETY ELECTRICAL MED DEVICES  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6625015776744		Tester Safety Electrical Med Devices	3367232		1	EA	\$2,300.00	\$2,300.00	N/A
	Awaiting NSN	Adapter, 15 – 20 A	2195732		1	EA	Incl w/NSN 6744	Incl w/NSN 6744	N/A
	Awaiting NSN	Adapter, 5-to-5 Banana Jack to ECG (BJ2ECG)	3359538		1	EA	Incl w/NSN 6744	Incl w/NSN 6744	N/A
	Awaiting NSN	Adapter, Null Post	3326842		1	EA	Incl w/NSN 6744	Incl w/NSN 6744	N/A
	Awaiting NSN	Cable Data Transfer 4 Cond,USB-A(M),USB- B(M),Shielded,2M,Bulk	1626219		1	EA	Incl w/NSN 6744	Incl w/NSN 6744	N/A
	Awaiting NSN	Case Carrying	2248650		1	EA	Incl w/NSN 6744	Incl w/NSN 6744	N/A
	Awaiting NSN	Cord, Power US	2238680		1	EA	Incl w/NSN 6744	Incl w/NSN 6744	N/A
	Awaiting NSN	Kit, USA Accessory; Test Lead Set, TP1 Test Probe Set, AC285	3111008		1	KT	Incl w/NSN 6744	Incl w/NSN 6744	N/A
NSN Not Required		Literature, Operator	3334511		1	EA	Incl w/NSN 6744	Incl w/NSN 6744	N/A
NSN Not Required		Literature, Operator CD	3334509		1	EA	Incl w/NSN 6744	Incl w/NSN 6744	N/A

**TESTER SAFETY ELECTRICAL MED DEVICES  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Fluke BioMedica 1	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Adapter, 15 – 20 A	2195732		1	EA	\$108.20	\$108.20	N/A
	Awaiting NSN	Adapter, 5-to-5 Banana Jack to ECG (BJ2ECG)	3359538		1	EA	\$40.00	\$40.00	N/A
	Awaiting NSN	Adapter, Null Post	3326842		1	EA	\$6.00	\$6.00	N/A
	Awaiting NSN	Cable Data Transfer 4 Cond,USB-A(M),USB- B(M),Shielded,2M,Bulk	1626219		1	EA	\$17.40	\$17.40	N/A
	Awaiting NSN	Case Carrying	2248650		1	EA	\$146.00	\$146.00	N/A
	Awaiting NSN	Cord, Power US	2238680		1	EA	\$57.00	\$57.00	N/A
	Awaiting NSN	Kit, USA Accessory; Test Lead Set, TP1 Test Probe Set, AC285	3111008		1	KT	\$50.00	\$50.00	N/A
NSN Not Required		Literature, Operator	3334511		1	EA	\$57.60	\$57.60	N/A
NSN Not Required		Literature, Operator CD	3334509		1	EA	\$10.50	\$10.50	N/A

**TESTER SAFETY ELECTRICAL MED DEVICES  
WEB LINKS**

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

**[http://assets.fluke.com/manuals/ESA612\\_\\_gseng0100.pdf](http://assets.fluke.com/manuals/ESA612__gseng0100.pdf)**





## TESTER VENTILATOR PORTABLE (TVP)

[TOC](#)

**MANUFACTURER: MICHIGAN INSTRUMENTS, INC.**

**Manufacturer Model# 14500**

**Manufacturer's PHONE: (616) 554-9696 FAX: (616) 554-3067**

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

**Item Web Link:**

<http://www.michiganinstruments.com/single-lung>

**AAC 'L' ITEM NSN 6515-01-449-1421**

**UAs: 9304 , T500 , T501 , T503 , T505**

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

**UNIT PRICE: \$5,899.00**

**System Description:** This item is a tester used to evaluate the performance of any mechanical ventilating device. It is a quantitative test lung which dynamically simulates human physiology. Testing should take place on every ventilator before it is used in the clinical setting. Periodic testing is needed to ensure that the unit is performing in accordance with established standards and manufacturers' specifications. Standards published by the American National Standard Institute (ANSI), the International Organization of Standardization (ISO), and the American Society for Testing and Materials (ASTM) outline minimum performance standards for mechanical ventilators. These are the standards most frequently used by ventilator manufacturers.

This system was developed to allow the comprehensive evaluation and demonstration of ventilation devices and principles. The interactive environment of multiple, overlapping windows and the combination of pull-down and pop-up menus provides a user-friendly system that will instill confidence and provide a useful lung simulation/data acquisition system.

The single lung unit provides an accurate simulation of the structures and mechanics of the adult human pulmonary system. An elastomer bellows with a residual capacity typical of an adult is used to simulate the lung. The unit is completely portable.

The PneuView is a Windows based software program that serves as the link between the TTL (Training/Test Lung) with the data acquisition and processing capabilities of a personal computer.

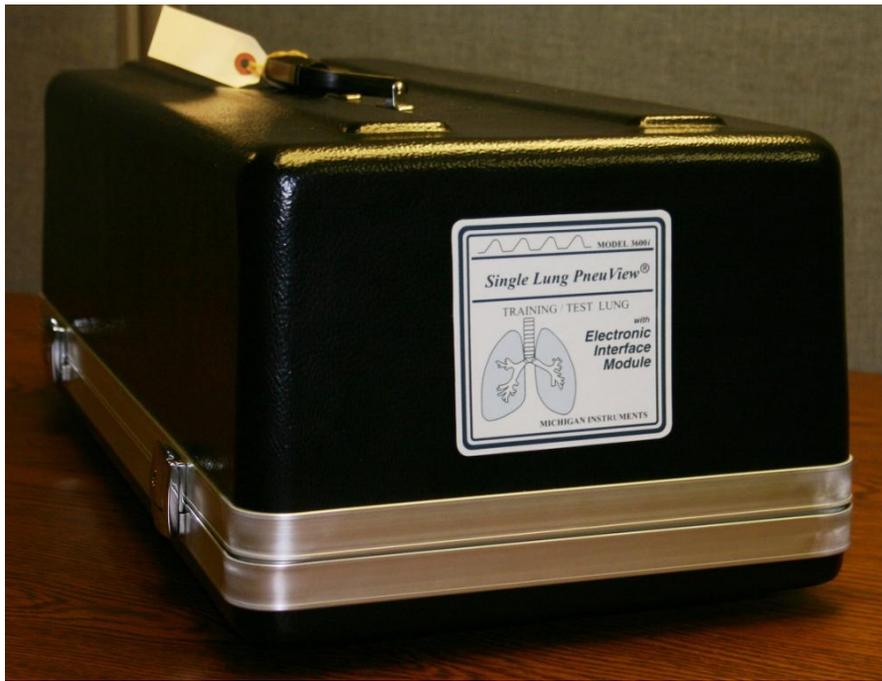
**NOTE: LIN T05633**



**TESTER VENTILATOR PORTABLE (TVP)  
PART # 14500  
NSN 6515014491421**



**TESTER VENTILATOR PORTABLE (TVP) SHOWING OTHER SIDE  
PART # 14500  
NSN 6515014491421**



CASE, CARRYING

**TESTER VENTILATOR PORTABLE (TVP)  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>25</b>
	<b>Width (Inches)</b>	<b>10</b>
	<b>Length (Inches)</b>	<b>13</b>
	<b>Cube (Cubic Feet)</b>	<b>1.8808</b>
	<b>Weight</b>	<b>25 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	
	<b>Width (Inches)</b>	
	<b>Length (Inches)</b>	
	<b>Cube (Cubic Feet)</b>	
	<b>Weight</b>	
<b>Storage Temp</b>		<b>-13 to 113 °F</b>
<b>Operating Temp</b>		<b>-4 to 104 °F</b>
<b>Storage Humidity</b>		<b>0 to 90%</b>
<b>Operating Humidity</b>		<b>0 to 90%</b>
<b>Amps</b>		<b>0.5</b>
<b>Watts</b>		<b>50</b>
<b>Power Requirements</b>	<b>12 VDC Battery, 110 or 220 VAC</b>	
<b>Notes</b>		

**TESTER VENTILATOR PORTABLE (TVP)  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Michigan Instrument s, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515014491421		Tester Ventilator Portable (TVP)	14500		1	EA	\$5,899.00	\$5,899.00	N/A
	Awaiting NSN	Miniature quick connect	11251-02		1	EA	Incl w/NSN 1421	Incl w/NSN 1421	N/A
	Awaiting NSN	SLPV Case Assy.	14860		1	EA	Incl w/NSN 1421	Incl w/NSN 1421	N/A
4720016059107		Hose Nonmetallic	10068-16		1	EA	Incl w/NSN 1421	Incl w/NSN 1421	N/A
5950016059089		Transformer Power Use w Ventilator Tester 6515014491421	14739		1	EA	Incl w/NSN 1421	Incl w/NSN 1421	N/A
5995016059139		Cable Assembly Special Purpose 6 Ft DB9F to DB9M	14738		1	EA	Incl w/NSN 1421	Incl w/NSN 1421	N/A

**TESTER VENTILATOR PORTABLE (TVP)  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Michigan Instrument s, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Miniature quick connect	11251-02		1	EA	\$5.00	\$5.00	N/A
	Awaiting NSN	SLPV Case Assy.	14860		1	EA	\$295.00	\$295.00	N/A
4720016059107		Hose Nonmetallic	10068-16		1	EA	\$2.50	\$2.50	N/A
5950016059089		Transformer Power Use w Ventilator Tester 6515014491421	14739		1	EA	\$50.00	\$50.00	N/A
5995016059139		Cable Assembly Special Purpose 6 Ft DB9F to DB9M	14738		1	EA	\$35.00	\$35.00	N/A

**TESTER VENTILATOR PORTABLE (TVP)  
WEB LINKS**

**[Click Below for Operations Manual](#)**

**<[http://assets1.mytrainsite.com/501272/4600\\_manual.pdf](http://assets1.mytrainsite.com/501272/4600_manual.pdf)>**



**APPENDIX**  
**Maintainer Test Kit Table**

Equipment NSN	Equipment Item	Equipment in UA	Kit NSN	Test Kit for Equipment Item	Kit in UA
6515-01-457-1840	Anesthesia Apparatus Field		6515-01-546-0561	Kit Calibration Anesthesia Apparatus	N523, N725, T500, T503
6530-01-464-0267	Ventilator Volume Portable	257B, 267B, P308, P309	6530-01-546-1369	Kit Calibration Ventilator	N523, N725, T500, T501, T503
6515-01-523-2067	Apheresis Device Pl	504B, N304, N504, N704	6515-01-555-6832	Test Set Diagnostic Apheresis	N523, N725, T500, T503
6545-01-564-6213	Anesthesia Machine Fl	P301, P307	6515-01-592-7667	Calibration Kit, Anesthesia Machine	N523, N725, T500
6525-01-592-5868	X-Ray Apparatus Dental Portable	270A, 512A	6525-01-599-0346	Test Kit X-Ray Apparatus	N523, N725, T500
6630-01-562-1648	Analyzer Set Chemistry Urine	N303, N503, N703	6630-01-611-8506	Repair Kit Chemistry Analyzer	N523, N725, T500, T503
6539-01-533-4481	Generator Oxygen Medical System: Portable	P301, P307, P308, P309	6530-01-540-9331	Calibration Kit Oxygen	N523, N725
6630-01-497-7291	Analyzer Clinical Chemistry		6630-01-473-7416	Field Service Kit Chemical Analyzer	N303, N503, N703, P783