

STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM

DISTRIBUTOR: CARDINAL HEALTH

MANUFACTURER: COOPER SURGICAL, INC.

Distributor Model# 101-0137-010

Manufacturer Model# 101-0137-010

Distributor's PHONE: (614) 757-5000 FAX: (847) 689-1742

Manufacturer's PHONE: (203) 601-5200 FAX: (203) 601-1007

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

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

AAC 'L' ITEM NSN 6515-01-491-8101

UAs: P308 , P309

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

UNIT PRICE: \$600.72

System Description: The MedaSonics ULTRASOUND STETHOSCOPE® Doppler Blood Flow Detector Model BF5A is a pocket-sized instrument featuring a high ultrasonic frequency and one of the smallest probe tips commercially available. It has been designed specifically for detecting blood flow in small arteries such as those of the face and digits. Clinical experience has demonstrated that Doppler ultrasound is a simple, non-invasive aid to the assessment of arterial and venous blood flow.

The MedaSonics ULTRASOUND STETHOSCOPE is based on the Doppler shift principle. At the end of the instrument is a piezoelectric crystal of very low power ultrasonic waves. This crystal is located at the tip of the plastic cone. Ultrasonic waves are emitted at a frequency of approximately 8 MHz. Reflections occur at tissue interfaces and some of the backscattered ultrasound is returned to the receiving crystal. Reflections from moving blood will have their pitch shifted slightly. After arriving at the receiving crystal, these reflections are detected and greatly amplified. Further processing converts the Doppler-shifted ultrasound into audible sounds indicating blood flow.

Features: Includes: 8 MHz Doppler, Stethoscope headset, gel, battery, soft carrying case.
Applications: Locate superficial vessels; skin flap transfer, routine arterial cannulations, vascular grafting and microvascular surgery.
Outputs: Two 2.5 mm jacks to drive one or two headsets, one headset, and a speaker or recording device.
Controls: Volume control knob and push button: ON/OFF
Power Source: One standard 9V alkaline battery
Weight: 4.7 oz. (133 gm)
Dimensions: 4.95 x 2.5 x 1.0in (12.6 x 6.4 x 2.5 mm)
Construction: Rugged ABS plastic case, integral transducers, solid state circuitry
Service: MedaSonics, Inc. maintains a full service facility which can promptly repair products returned to the factory.
Warranty: MedaSonics Dopplers are covered by a 5-year warranty on parts; 1-year warranty on labor. Call Customer Service for details.



**STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM
PART # 101-0137-010
NSN 6515014918101**



CLOSE-UP, STETHOSCOPE ULTRASCOPE DOPPLER



**HEADSET, STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM
PART # 101-0008-010**

MEDASONICS[®]

BLOOD FLOW ULTRASOUND STETHOSCOPE[®]

Model BF5A

**Operating &
Service Instructions**



INTRODUCTION

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INSTRUCTIONS FOR USE

- 1 Spread a generous amount of ultrasound coupling agent on the body surface to be examined. A fluid coupling agent is essential for proper operation. Commercial preparations provide good coupling, however, a soap solution or even water can be used. Do not use alcohol as a coupling agent. A tube of commercial coupling agent is supplied with each instrument.
- 2 Plug headset or speaker into either output jack. Set volume control midway. Place the plastic probe tip on the site to be examined. Press side-mounted ON button. Adjust volume control as desired. Unit will remain on as long as button is depressed and for about 3 minutes after it is released. The BF5A is designed for one-handed operation, with the middle finger controlling the ON button and the index finger controlling the volume.
- 3 Place the probe tip on the surface being examined. Do not press hard or blood flow may be affected. Use sufficient fluid coupling medium so it is not necessary to press

**OPERATOR MANUAL, STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM
PART # 054-0136-010
NSN 7610015437003**



**SOFT CARRYING CASE, STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM
PART # 209-0112-010**



**GEL, STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM
NSN 6525-00-529-3346 is a suitable resupply for the ultrasound gel.**

**STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	2.5
	Width (Inches)	1
	Length (Inches)	4.95
	Cube (Cubic Feet)	0.0072
	Weight	4.7 oz
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		N/A
Watts		N/A
Power Requirements	9 VDC Standard Commercial Battery	
Notes		

**STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Cooper Surgical, Inc.	DIST PN Cardinal Health	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515014918101		Stethoscope Ultrasound Doppler System	101-0137- 010		1	EA	\$600.72	\$600.72	N/A
	Awaiting NSN	Stethoscope headset	101-0008- 010		1	EA	Incl w/NSN 8101	Incl w/NSN 8101	N/A
6135010631978	See Additional Note Below	Battery, 9V Alkaline	A1604		1	EA	Incl w/NSN 8101	Incl w/NSN 8101	36
6525005293346		Gel Transmission Ultrasound 250ml Squeeze BT 6.50-6.95 Ph 12s	70914		1	12/PG	Incl w/NSN 8101	Incl w/NSN 8101	N/A
NSN Not Required		Literature Operator	054-0136- 010		1	EA	Incl w/NSN 8101	Incl w/NSN 8101	N/A
NSN Not Required		Soft carrying case	209-0112- 010		1	EA	Incl w/NSN 8101	Incl w/NSN 8101	N/A

**STETHOSCOPE ULTRASCOPE DOPPLER SYSTEM
ADDITIONAL NOTE:**

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