

MODEL 3100-B SPECIFICATIONS

PHYSICAL SIZE

	(Computerized, Including Cart)	(Instrument Only)
Height:	47.5 inches (120.6 cm)	11 inches (27.9 cm)
Width:	32.75 inches (83.2 cm)	15.75 inches (40 cm)
Depth:	23 inches (58.4 cm)	12.5 inches (31.8 cm)
Net Weight:	210 pounds (95.5 kg)	29 pounds (13 kg)
Shipping Weight	262 pounds (119 kg)	36 pounds (16 kg)

NOTE: Accessories will increase these weights

ELECTRICAL

120 VOLT COMPUTERIZED MINI-LABS USE AN ISO 1000-B ISOLATION SUPPLY

120V AC, ~ 60 HZ

1.6 Amps Typical, 190VA Measured average power consumption.

8 Amps Maximum, 1000VA Maximum.

Heat generated: 648 BTU per hour, typical.

120 VOLT NON-COMPUTERIZED MINI-LABS

120V AC, ~ 60 HZ

1.6 Amps Typical, 100VA Measured average power consumption.

Heat generated: 648 BTU per hour, typical.

220V OR 240V COMPUTERIZED MINI-LABS USE AN ISO 500-B ISOLATION SUPPLY

220V or 240V AC, ~ 60 HZ

0.51Amps Typical, 120VA Measured average power consumption.

2.2 Amps Maximum, 500VA Maximum.

Heat generated: 410 BTU per hour, typical.

220V OR 240V NON-COMPUTERIZED MINI-LABS

220V or 240V AC, ~ 60 HZ

0.51Amps Typical, 100VA Measured average power consumption.

Heat generated: 410 BTU per hour, typical.

REMOTE CONTROL -- 3.6 Volt, 700 mAh, NiMH battery pack, Parks part # 854-0007-00.

Doppler

Pencil Probes:	High frequency (nominal 8 MHz). Low frequency (nominal 4 MHz). Optional skinny pencil probe (nominal 8 MHz).
Output filter :	User selectable for 28, 14, 7, 3.5 (Hz) or mean flow.
Output select:	User selectable for normal or inverted recording.
Headphones:	Standard low-impedance stereo headphones.

PLETHYSMOGRAPH

VPR:	Pneumoplethysmograph (volume pulse recording).
PPG:	Photoplethysmograph. Sensor, Parks part # 832-8001-00.
Modes:	AC coupled (arterial mode pulsations only). DC coupled (venous mode gross volume changes).
Calibration:	PPG - none VPR - user selectable calibrated pulse volume measurement. Pressure ± 2 mm @ 100 mm Hg, ± 5 mm above 100 mm Hg.

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CUFF INFLATOR

Inflate modes:	Momentary (BP mode) or fill to preset (VPR mode).
Inflator preset:	User selectable.
Inflation rate:	BP mode - Linear, variable speed, user selectable 5-30 mm Hg/sec. VPR mode - fixed 30 mm Hg/sec.
BP Bleed rate:	User selectable 1-10 mm Hg/sec.
Valve type:	Servo controlled & solenoid activated.
Verification/Calibration:	Cuff volume verification/calibration every 1000 hours or once a year. Volume \pm 2%.

CUFFS AND BLADDERS

Cuff, Polyurethane, 1.9 Digit	Parks part # 989-1016-05
Cuff, Polyurethane, 2.5 Digit	Parks part # 989-1017-05
Cuff, Polyurethane 2.5 Penile	Parks part # 989-1018-05
Cuff, TMC7 Transmetatarsal	Parks part # 989-1021-00
Cuff, 10cm X 44.5cm	Parks part # 989-1022-10
Cuff, 12cm X 44.5cm	Parks part # 989-1023-10
Cuff Stiffener, 17 1/2" x 4 1/2"	Parks part # 989-1023-12
Cuff, Extra Long 12cm	Parks part # 989-1023-30
Cuff, CC17 Contoured Thigh	Parks part # 989-1024-00
Bladder, 10cm for 10cm BP Cuffs	Parks part # 989-2000-00
Bladder, 12cm for BP Cuffs	Parks part # 989-2001-00

CHART RECORDER

Type:	Thermal-array.
Paper:	White, <u>unprinted</u> thermal paper. Parks part # 893-0015-00.

REMOTE CONTROL

Functions:	7 button infrared remote for volume up, volume down, mute, cuff inflator and deflator, freeze and save.
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ENVIRONMENTAL CONDITIONS FOR TRANSPORT AND STORAGE

Ambient temperature:	Range, -40° F to +158° F (-40° C to +70° C).
Relative humidity:	10% to 100%, condensing.
Atmospheric Pressure:	Range, 500 hPa to 1060 hPa.

OPERATING CONDITIONS

IPXO rating:	Degree of protection against ingress of water none provided.
Temperature range:	50° F to 104° F (10° C to 40° C).

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CLEANING THE INSTRUMENT

TURN OFF POWER AND UNPLUG INSTRUMENT FROM WALL OUTLET BEFORE CLEANING.

Loose dust accumulated on the outside of the instrument can be removed with a clean, soft cloth. Dirt which remains can be removed with a soft cloth dampened in a mild solution of disinfectant and sterile water. Abrasive cleaners should not be used.

IF YOUR MINI-LAB CAME EQUIPPED WITH A COMPUTER, PRINTER AND MONITOR:

For information on cleaning, setting up, operating and servicing the computer, printer and monitor supplied with the Mini-Lab, see the '**Owners Manual**' or '**Users Guide**' supplied by the manufacturer of that equipment. These manuals or guides were included with the Mini-Lab when it was purchased.

MAINTENANCE

CALIBRATE EVERY 1000 HOURS OR ONCE A YEAR.

IT IS RECOMMENDED THE COMPUTER BE REMOVED AND CLEANED EVERY 6 MONTHS (IF SO EQUIPPED).

Information on how to perform these procedures as well as repair and maintenance literature are located in the "**Calibration Procedure Section**". Circuit diagrams, component part lists, descriptions, calibration instructions and other information are supplied to assist qualified technical personnel to repair system components that are designated by the manufacturer as repairable.

IF YOUR MINI-LAB CAME EQUIPPED WITH A COMPUTER, PRINTER AND MONITOR:

For information on setting up, operating and servicing the computer, printer or monitor supplied with the computerized Mini-Lab, see the "**Owners Manual**" or "**Users Guide**" supplied by the manufacturer of that equipment. These manuals or guides were included with the computerized Mini-Lab when it was delivered.