

# PARKS 2100-SX FLO-LAB

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## SPECIFICATIONS

### 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 # 832-8000-00.
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 $\pm 2$ mm @ 100 mm Hg, $\pm 5$ mm above 100 mm Hg.

### 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 $\pm 2\%$ .

### CHART RECORDER

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

### REMOTE CONTROL

Functions:	18 button infrared remote for volume, position, size, mute, trace auto scale, cuff inflator and deflator, freeze, save, escape, enter and four direction cursor.
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### PHYSICAL

Height:	55 inches.	140 cm.
Width:	26½ inches.	67 cm.
Depth:	30 inches.	76 cm.
Weight:	117 pounds.	60.66 kg.

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### ELECTRICAL

ISO 500 D power supply: **120 V ac, ~, 60 Hz.**

**3 amps. Typical, 5 amps. Peak @ 120 V ac, 500 VA.**

The POWER cord must be plugged into a '**HOSPITAL ONLY**' or '**HOSPITAL GRADE**' alternating current power outlet.

IR Remote Batteries: **Three Standard "AAA" alkaline batteries.**

### 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).

Heat generated: 1706 BTU per hour.

### MAINTENANCE & CLEANING

Repair and Maintenance Literature is located in Parks Flo-Lab Bioengineering Manual. Circuit diagrams, component part lists, descriptions, calibration instructions, and other information are supplied to assist qualified technical personnel to repair parts of equipment which are designated by the manufacturer as repairable.

#### **CALIBRATE EVERY 1000 HOURS OR ONCE A YEAR.**

The "Test and Calibration Check Procedure" and "Cuff Volume Verification / Calibration" can be viewed on the Parks web site and is also included in the Parks Flo-Lab Bioengineering Manual.

#### **PREVENTATIVE MAINTENANCE FOR THE COMPUTER.**

It is recommended the computer be removed and cleaned every 6 months. Information on this procedure can be viewed on the Parks web site and is also included in the Parks Flo-Lab Bioengineering Manual.

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

**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 soft cloth or small paint brush. Dirt which remains can be removed with a soft cloth dampened in a mild solution of detergent and water. Abrasive cleaners should not be used.