

FLO-LAB 2100-SX2

FLO-LAB 2100-SX2



PARKS

Aloha, OR

Started in 1961, debt free and privately held.

Made in the USA - designed, manufactured and assembled in Aloha, OR

ISO-13485 Quality Certified



ABOUT PARKS

Parks Medical: A History of Innovation

Parks Medical Electronics, Inc. is the world's most experienced manufacturer of Doppler ultrasound systems. Established in 1961 as Parks Electronics Laboratory, the company was founded by Loren Parks to manufacture plethysmographs of his own design—a design that remains unsurpassed for performance and is still imitated by competitors world-wide. The Parks product line included impedance plethysmographs, mercury strain gage plethysmographs, hearing testers, EKG telephone telemetry, and exercise EKG telemetry in the years before Doppler.

By 1965, Parks had introduced its first Doppler and within a few years, invented and was manufacturing the first directional Doppler. In the fifty years since these developments, Parks has continued to be the top innovator in the industry, introducing more than thirty different Doppler devices and consistently manufacturing the most sensitive directional Doppler.

With the introduction of the Flo-Lab system in 1985, Parks brought to market the first fully integrated vascular diagnostic instrument for hospitals and laboratories. Today the 2100-SX2 Flo-Lab combines the unmatched sensitivity of Parks Dopplers with continuous technological improvements for greater ease of use, faster studies, and better diagnostic performance.

Today, the Parks reputation is built on dependability as well as innovation. Our customers know us for designing and manufacturing instruments of exceptionally good performance and reliability, as well as our outstanding customer service.

WELCOME TO THE FLO-LAB 2100-SX2 EXPERIENCE

Designing the right vascular system for today's demanding environment is a challenge. The new Flo-Lab 2100-SX2 system helps you perform your job fast, easier and with greater satisfaction. The result? You can provide better diagnosis and care to your patients.



- State-of-the-art technology
- Engineered for ease-of-use performance
- Unmatched sensitivity results in better diagnosis
- Leader in performance for over 50 years
- Highest quality and reliability
- Most flexible and user-friendly interface
- Most intuitive software
- Full control over advanced capabilities
- Custom protocols and examination reports
- Instant access to all your patient studies
- Best-in-class sales and support

OPEN DATA ACCESS

Data integration are the future of hospital and laboratory information technology - and the Flo-Lab is poised to fit perfectly into this environment. With optional capabilities for [DICOM/ SR \(Structured Report\)](#), [MWL \(Modality Worklist\)](#), [HL7](#), [XML](#) and other standards, the Flo-Lab provides communication capabilities for any clinical environment, from the small lab to the multi-facility hospital system. The flexibility of the Flo-Lab goes far beyond the examination room.



Depend on the Parks Flo-Lab to give the best performance possible on all diagnostic vascular examinations. With the Flo-Lab, you can do the following studies for the widest variety of vascular diagnosis:

ARTERIAL - LOWER

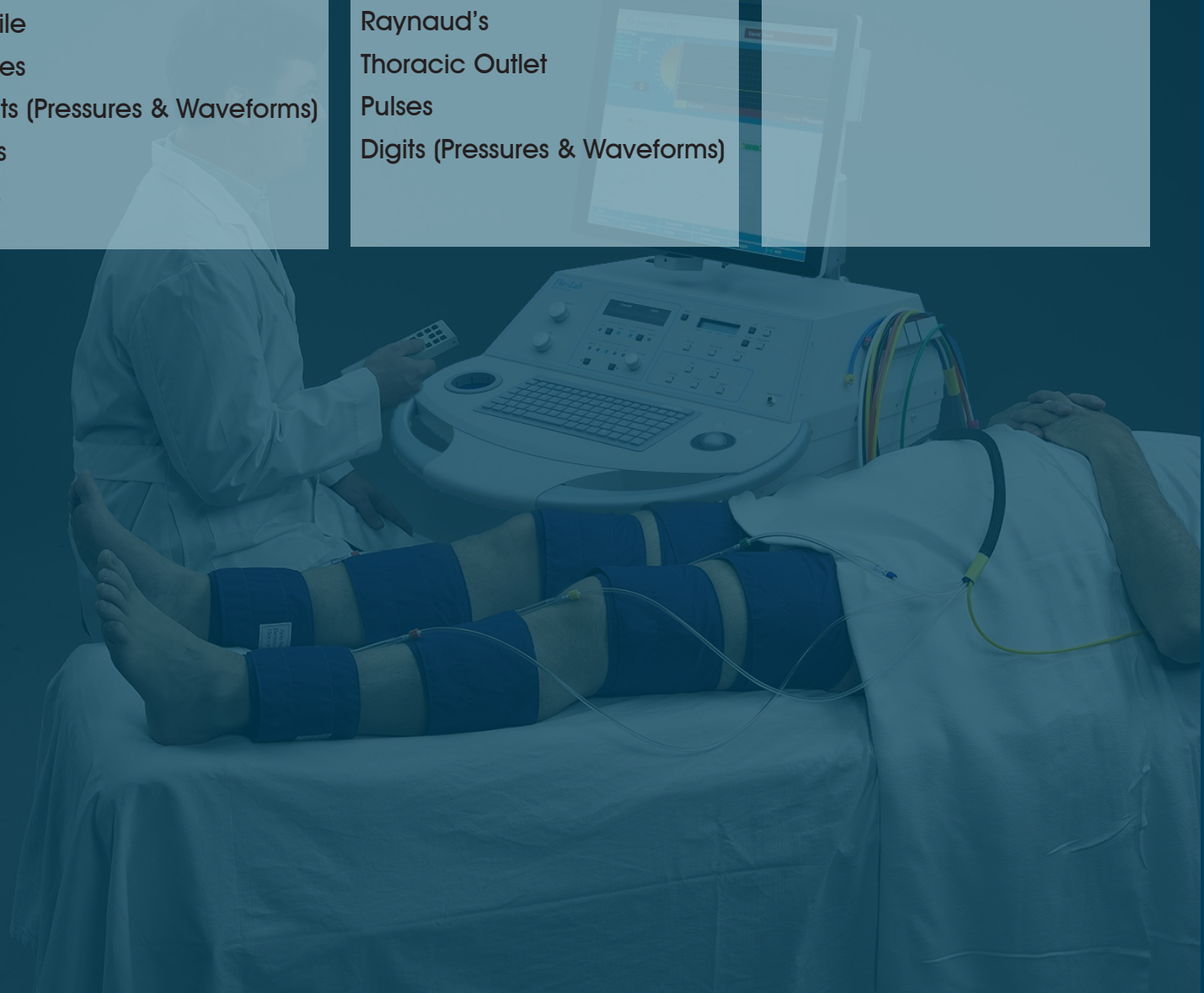
Doppler Waveforms
Segmental Pressures
Volume Pulse Recording (PVR)
Exercise/Reactive Hyperemia
Raynaud's
Penile
Pulses
Digits (Pressures & Waveforms)
ABI's
TBI's

ARTERIAL - UPPER

Doppler Waveforms
Segmental Pressures
Volume Pulse Recording (PVR)
Exercise/Reactive Hyperemia
Allen's Test (Palmer Arch)
Raynaud's
Thoracic Outlet
Pulses
Digits (Pressures & Waveforms)

VENOUS

Doppler - Legs
Doppler - Arms
Venous Reflux





2100-SX2 Flo-Lab Features:

- 4 swivel wheels
- Swivel monitor
- Solid-state hard drive for improved reliability and faster start ups
- Built-in trackball
- Moisture resistant/cleanable keyboard
- New multi-port inflator with dedicated single hose outlet
- Durable aluminum cart
- Precision machined aluminum PPG clips
- Easy access on/off switch
- Built-in gel holder
- Improved hose management
- Quiet inflation
- Low cost of ownership
- Lowest replacement parts cost in the industry
- Easy to use, customizable SonovaE software
- Superior Doppler sensitivity



THE MOST RECOGNIZED REPORT IN THE INDUSTRY

888 503-1177
www.parkstolab.com

Name: Sample, Patient A
Date of Birth: 11/24/1958
Age: 56

Ref By: Smith, James MD
Examined By: Brown, Amy RVT, RDMS
Read By: Jones, William MD

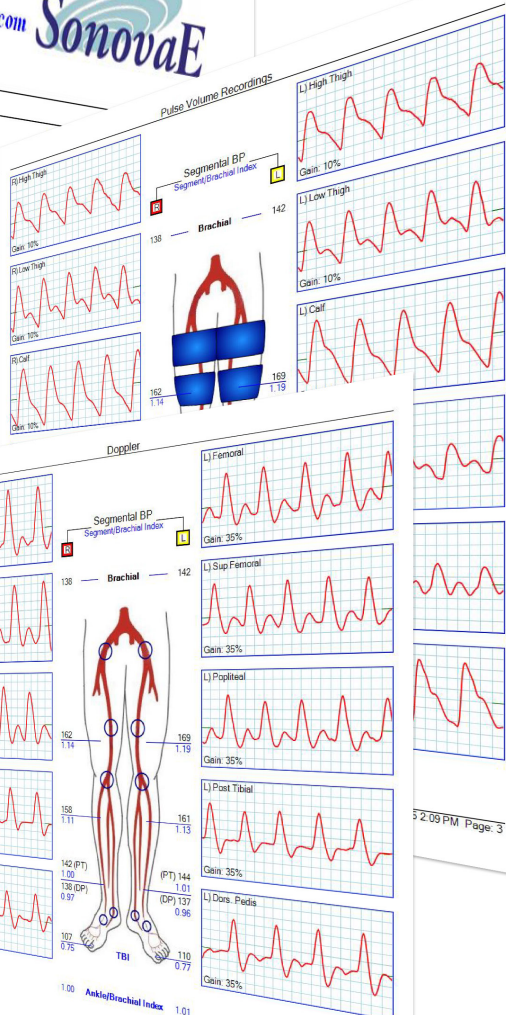
Lower Arterial

History

Smoke: Never
Diabetic: Yes
Gangrene: None
Prev Angioplasty: No

Hypertension: Yes
Claudication: None
Vascular Ulcers: None
Prev Vasc Surg: No

Additional history notes or patient comments may be entered here. L: are custom configured by the user.



Segmental BP

Location	Pressure (mmHg)	Index
Brachial	138	1.14
Thigh	162	1.11
Calf	142	1.00
Ankle (PT)	138	0.97
Digit	107	0.75

Pulses

Location	Grade
Femoral	4+
Popliteal	4+
Dors. Pedis	3+
Post. Tibial	3+

Sample, Patient (123456) DOB: 11/24/1958
SonovaE 5.7 Beta 0.6

Date: 06/16/2015 2:09 PM Page: 2

SPECIFICATIONS

Physical and Electrical Data

- Height 53 inches
- Width: 22 inches
- Depth: 31 inches
- Model 2110 Isolation Power Supply 120VAC-60 Hz, 5Amp

Certifications

ETL listed: UL 60601-1 2003/04/25 Ed: 1 Rev: 2005/04/26 Standard for Safety Medical Electric Equipment, Par 1: General Requirements for Safety.

PMEI's quality system is an ISO 13485: 2003 certified company.

Operating Modalities**Doppler continuous wave (CW)**

- Pencil probes
- High frequency 8 MHz CW nominal
- Low frequency 4 MHz CW nominal
- Low-Pass Filter, User Selectable: 3.5, Hz, 7 Hz, 14 Hz, or 28 Hz

Pneumoplethysmography - Pulse Volume Recording (PVR)

- Bilateral & Unilateral operation (user selectable)
- Calibration: PVR user selectable calibrated pulse volume measurement

Photoplethysmography (PPG)

- Bilateral & Unilateral operation (user selectable)
- AC coupled (arterial mode pulsations only)
- DC coupled (venous mode gross volume changes)

Cuff Inflator

- Two speed inflator: user programmable
- Auto or manual deflation: user programmable
- Linear cuff deflation: user programmable
- Maximum pressure: 300 mmHg

2100-SX2 Software

- Microsoft Windows 7 or greater
- SonovaE Vascular Diagnostic Software



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