

## PARKS Vascular Mini-Labs

### Plethysmograph

	1050-C	1052-C	1058-C	1059-C
Pneumoplethysmograph (VPR), AC Coupled for Arterial Studies.			✓	✓
Pneumoplethysmograph, DC Coupled for Venous Studies.			✓	✓
Photoplethysmograph (PPG), AC Coupled for Arterial Studies.	✓	✓	✓	✓
Photoplethysmograph, DC Coupled for Venous Studies.	✓	✓	✓	✓

### Doppler

Single Frequency (8 MHz).	✓		✓	
Dual Frequency (8 MHz and 4 MHz).		✓		✓
Directional.	All Models			
Blood Flow Velocity Calibration.	All Models			
Bar Graph Display for Flow Direction.	All Models			
Loudspeaker and Stereo Earphones.	All Models			
Output for Spectrum Analyzer.	All Models			

### Chart Recorder

Thermal Array Recorder.	All Models
10 cm/sec Velocity Calibration.	
5 and 25 mm/sec Speed.	
Footswitch Speed Control.	
Input for Recorder Display.	

### Power

Lead Acid Rechargeable Battery with Overcharging Protection.	All Models
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**Warranty:** We will repair any manufacturing defect or component failure (except gages and probes) for one year from the date of purchase. Abuse or unauthorized intervention in the circuitry voids the warranty. All service should be done in our factory.

**30 Day Trial:** You have to be happy with what you get from us or you may return it for full credit within 30 days. Trials limited to U.S.A due to customs expense. You will be liable for any physical damage.

Call us Toll-Free!  
**1-800-547-6427**  
 In Oregon call (503) 649-7007  
 FAX (503) 591-9753

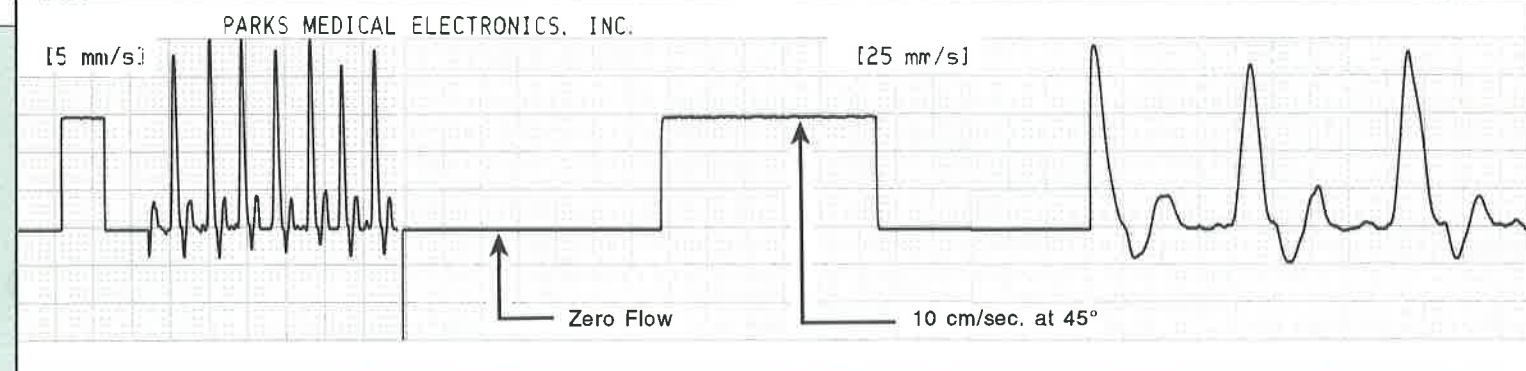
Manufactured by:  
**Parks Medical Electronics, Inc.**  
 P.O. Box 5669, Aloha, OR 97006

Visit Our Web Site at <http://www.parksmed.com>

"Class II Non-Invasive Device. Not for Subcutaneous Use"

# PARKS

## Vascular Mini-Labs with Directional Recording Dopplers and Plethysmographs



### Posterior Tibial Recording

The two speed capability of the strip chart recorder allows you to choose the optimum recording speed. 25 mm/sec is ideal for recording Doppler and PPG arterial waveforms. At 5 mm/sec each major division on the recording paper represents one second.

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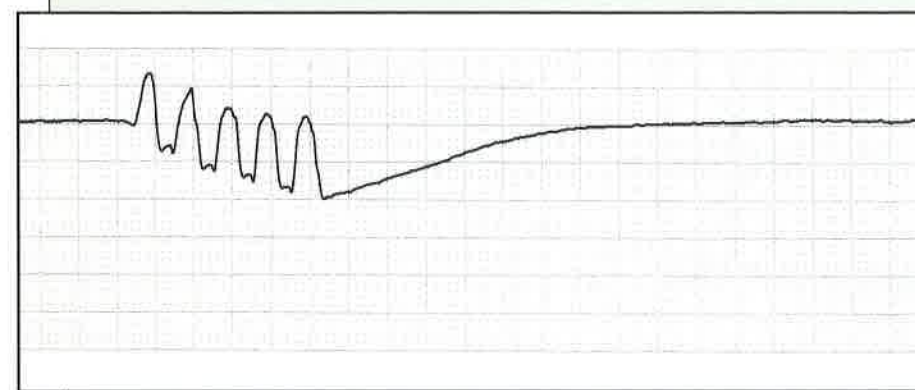
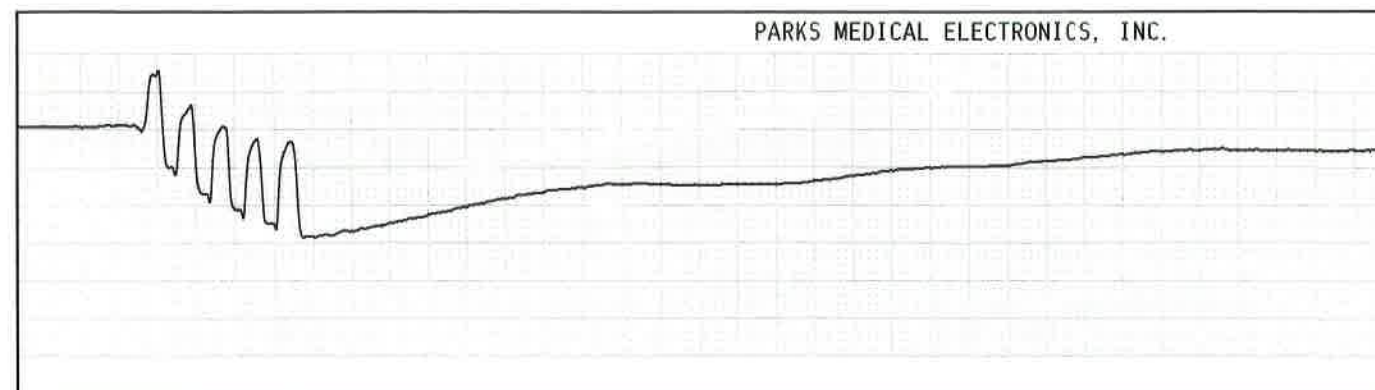
This brochure describes several directional-indicating Doppler ultrasound units suitable for the office, clinic and small hospital. All have two chart speeds (5 mm/sec and 25 mm/sec), all have loudspeaker or earphone output and all are powered by a self-contained rechargeable battery. All use 20 mm wide chart paper.

The variations among them are single- or dual-frequency Doppler, photoplethysmograph for arterial digital pulses or capability of testing for venous valvular incompetence, and whether or not a pneumoplethysmograph is included. The quality of the Doppler is the same in all instruments --- the best we make.

## Reflux Evaluation Using a D.C. Coupled Photoplethysmograph

### Normal Refill Time

Recording shows gradual refilling of the venous system in the lower extremity following calf pump-out. The normal refill time is greater than 23 seconds.



### Abnormal Refill Time

An abnormal venous refill time is anything less than 20 seconds. Refill times falling between 20 and 23 seconds are nondiagnostic and you should repeat the test.



Model 1059-C

### Model 1050-C (on front page)

Our lowest cost directional Doppler with a recorder. It also has an AC coupled photoplethysmograph (PPG) for digital pulses and a DC coupled photoplethysmograph for venous reflux evaluation. The single-frequency Doppler operates at a nominal 8 MHz and is sufficient for almost all vascular studies. Many labs use nothing but 8 MHz.

### Model 1052-C (not shown)

As above but includes a 4 MHz probe for thick necks, deep popliteals and deeper superficial femorals. The PPG is for pulses and for venous valvular incompetence tests involving flexion of the foot with the probe at the ankle or on the top of the foot.

### Model 1058-C (not shown)

Has one 8 MHz Doppler frequency, an AC/DC coupled photoplethysmograph (PPG) for both pulses and the venous incompetence test described above plus AC/DC coupled pneumoplethysmograph (VPR) for measuring venous outflow time, venous capacitance, etc.

### Model 1059-C (shown on left)

A popular instrument for the small hospital and busy vascular surgeon's office. The Model 1059-C includes a two-frequency (4 and 8 MHz) directional Doppler, an AC/DC coupled pneumoplethysmograph (VPR) for pulse and venous studies, and an AC/DC coupled photoplethysmograph (PPG) for digital and venous reflux studies. You may use this unit alone or in combination with a separate cuff inflator. The Model 1059-C uses a built-in rechargeable battery that you cannot overcharge. Loudspeaker or stereo earphone audio may be used. The thermal array chart recorder has two speeds and may be operated by a foot switch.