

# Smartdop™ 45

**BI-DIRECTIONAL DOPPLER  
WITH WAVEFORM DISPLAY & PRINTER**



## ● HAND HELD BI-DIRECTIONAL DOPPLER WITH LCD & PRINTER

Provides bi-directional velocity waveforms & numerical data.  
Fetal heart rate & monitoring waveforms when used with 2MHz probe.

## ● HADECO DESIGNED SMART MICROPROCESSOR

Fully automatic gain control & baseline adjustment.  
Various mode settings available with LCD menu & unique scroll button.  
30 Waveform memory storage.

## ● USB COMPUTER INTERFACE

Optional communication cable & Smart-V-Link™ software are available.  
Stores waveforms & numerical data to computer for data analysis and filing.

## ● OPTIONAL PPG & PV PROBES

Available for expanded arterial & venous testing.

### PROBE SELECTION

Standard (Clinic)



Pencil



Fetal (2MHz)



PPG



PV

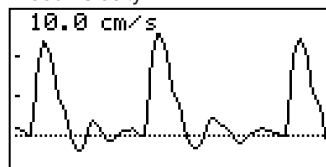


### CLINICAL APPLICATIONS

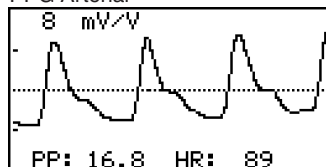
- Peripheral vascular procedures
- Blood pressure segmental studies
- Determination and monitoring of fetal heart rate (2MHz)
- Penile & digit systolic pressures
- Toe pressures (PPG)
- Venous reflux assessment (PPG)
- Maximum Venous Outflow (PV)

### DISPLAY SAMPLES

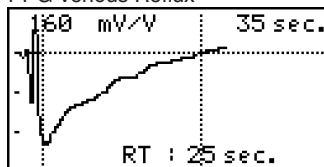
Blood Velocity



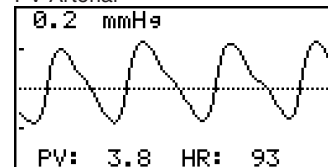
PPG Arterial



PPG Venous Reflux



PV Arterial



### SPECIFICATIONS

Power:	Ni-MH rechargeable battery pack or AC adaptor
Full charge life:	2.5 hours or more with freeze mode
Automatic shut-off:	
Speaker output:	250 mW or more
Multi frequency:	2, 4, 5, 8, 10 MHz
Waveform memory:	30 waveforms
LCD display:	128 x 64 dots, STN LCD
Paper:	W 58 mm x L 25 m/roll, thermal
Print speed:	25 mm/sec
Interface ports:	USB: For PC connection PS-2: For PC keyboard Headset: Speaker cut off
Weight:	Approx. 500 grams (including probe)
Electrical safety:	Conforms to IEC60601-1

\* Specifications subject to change.

### OPTION

Smart-V-Link PC software for Windows

