

# Bidop ES-100V3

2, 4, 5, 8, 10 & 20 MHz



## BI-DIRECTIONAL HAND HELD DOPPLER WITH LCD

- Displays real-time waveform & numerical data on backlit LCD.
- Smart microprocessor enables full-automatic gain control.
- 30 waveform memory.

## SIMPLE OPERATION WITH SHUTTLE BUTTON, BACK KEY AND PROBE BUTTON

- Allows you an easy mode setting as well as freezing waveform.

## USB COMPUTER INTERFACE

- Transfers waveforms and numerical data to computer for data storage.
- FFT analysis available with latest ES-100V3 when connecting Smart-V-Link Software.

## VARIOUS PROBE OPTIONS

- Small sized PPG probe expands arterial & venous testing.
- Foot Temperature probe for diagnosing PAD

## 2MHz BEEP MODE

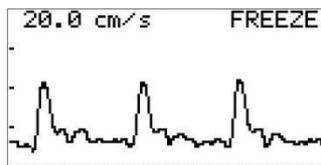
- For precordial bubble detection that beeps when velocity exceeds upper limit.

## NEW CALCULATION OF BLOOD VOLUME FLOW

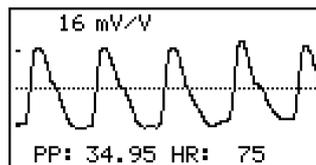
## CLINICAL APPLICATIONS

- Peripheral vascular procedures
- Lower extremity segmental pressures
- Toe pressures (PPG)
- Fetal heart rate
- Venous reflux assessment (PPG)
- Penile systolic pressures
- Foot Temperature study

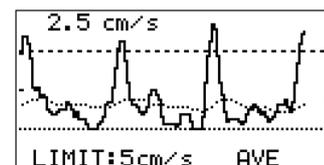
## DISPLAY SAMPLES



Velocity waveform



PPG waveform



Bubble detection

FREEZE  
S: 37.6 cm/s  
MN: 22.2 cm/s  
D: 13.5 cm/s  
MIN: 13.5 cm/s  
RP: 0.64 SD: 2.79  
PI: 1.09 HR: 81 BPM

Numerical data

FREEZE  
DIAM: 2.0 mm  
MAX: 70.9 ml/min  
MN: 41.8 ml/min

SITE NO. 01  
ABI R DP  
OK ?

Site Guidance mode

## SPECIFICATIONS

Power:	DC 9V, 9 V alkaline battery	Outputs:	Headset: Speaker cut off
Automatic shut-off:	3 modes available	Dimensions:	Serial port: USB
Speaker output:	300 mW or more	Weight:	78 (W) x 141 (D) x 27 (H) mm (Probe holder not included)
Multi frequency:	2, 4, 5, 8, 10, 20 MHz	Options:	280 grams (Including battery and probe)
Mode settings:	Memory (store, read & clear), Direction, Scales (time & unit), Volume Flow, Language, etc.	Electrical safety:	Headset, Neck Strap, PPG probe, Foot Temperature probe, Smart-V-Link for Windows, etc.
Waveform memory:	30 memories		Conform to IEC60601-1
LCD display:	128 x 64 dots, STN LCD Waveform, Numerical data & Heart rate		* Specifications subject to change.

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