

Smartdop[®] 45

Bidirectional Doppler with Printer & LCD Screen



Canadian License #71465

Bidirectional Doppler with printer and visual waveform display
Prints high resolution waveforms

30 memory storage
Save waveforms and numerical data for later use or download to optional software

USB computer interface & optional software
Transfer waveforms and numerical data to a computer for data storage

On-screen keyboard or optional external keyboard
For easy patient data entry

Auto gain control
Smartdop automatically adjusts the gain and baseline for ease of use

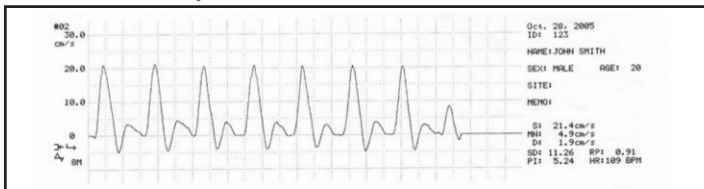
Numerical velocity
Peak, mean velocity, & heart rate

PPG & pneumo (pulse volume) options
Expands arterial & venous testing

Clinical Applications

- Ankle Brachial Index (ABI)
- Peripheral Vascular Procedures
- Segmental Studies
- Penile Systolic Pressures
- Venous Compression & Outflow Studies
- PPG Venous Reflux
- PPG Toe Pressures & Toe Brachial Index (TBI)

Print Sample



Smart-V-Link[®] Software (optional)



Save up to 30 patient waveforms in Smartdop[®] 45 and download to Smart-V-Link[®] to save patient records and print hard-copy reports.

Specifications

Power:	NiMH rechargeable battery pack or AC adaptor 120 V AC, 12 V DC, 580 mA	Frequency range:	80 / 200 Hz to 5 kHz	Print speed:	25 mm/sec & 5 mm/sec
Automatic shut-off:	No signal: 2 min. Freeze: 5 min. Others: 15 min. (30 min. FHR wave mode)	LCD display:	128 x 64 dots, STN LCD Bi-directional waveform (normal & slow)	Recharge:	Approx. 3 hours by AC adaptor
Speaker output:	250 mW or more		Numerical data (systolic, diastolic & mean Velocities, RP, PI, SD, HR) Heart rate: 30 to 300 BPM, accuracy $\pm 5\%$	Full charge life:	2.5 hours or more in Freeze mode
Multi freq.:	2, 5, 8, 10 MHz		Battery level and low battery indicators	Battery life:	Approx. 2 years, 300 full charges $\pm 10\%$ or less
Mode settings:	Memory, Waveform, Direction, Time scale, Others	Printer Resolution:	384 dots/line Paper: W 58 mm x L 25 mm/roll Thermal	Velocity accuracy:	Headset, USB Port
Waveform memory	30 memories			External outputs:	10 to 40 degrees Centigrade
Consumption:	DC12V, 300 mA			Operating environment:	85% humidity or less, no condensation
				Storage and transport:	0 to 50 degrees Centigrade
				Dimensions:	115 (W) x 210 (D) x 60 (H) mm
				Weight:	Probe: 20 (diam) x 105 (L) mm
				Electrical Safety:	560 grams (including probe) Conforms to IEC60601-1

Order Information

Includes: Smartdop[®] 45 Doppler, 1-probe (specify frequency)

Accessories (included): Headset, AC Adaptor, 1-roll paper, 1-tube ultrasonic gel, operator's manual

Accessories (optional): PPG & Pneumo modules, KB-1 external keyboard, Smart-V-Link[®] Software

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