

HiDop 360[®]

Bi-directional Spectral Doppler



Windows XP Software:

- USB interface
- Real time data transfer to PC
- Sonograms in colors
- Stereo sound
- Read voice messages
- Database
- Doppler programs
- Printout

HiDop 360:

- Graphic LCD display
- Spectral analysis
- Sonograms
- Velocity waveforms
- Heart rate
- Doppler indices
- Voice message
- Data memory for sonograms and sound
- Real time clock
- Rechargeable NiMH batteries

Probes:

- CW 4MHz vascular
- CW 8MHz vascular
- CW 2MHz precordial
- CW 2MHz fetal

Options:

- PC software
- Footswitch
- Remote control

HiDop 360 precordial Doppler for air emboli detection



HiDop 360 fetal Doppler



HiDop 360+ dual probe Doppler



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Product Specifications

Doppler:	CW 4MHz, bi-directional CW 8MHz, bi-directional CW 2MHz precordial, bi-directional CW 2MHz fetal, unidirectional
Probes:	CW 4MHz for deep vessel diagnosis CW 8MHz for peripheral vascular applications CW 2MHz precordial probe for air emboli detection during surgery CW 2MHz for obstetric applications All probes with integrated Doppler electronics
Probe identification:	Automatic with digital code
Signal Processing:	Spectral analysis with real time FFT (Fast Fourier Transform), 256 points overlapping, 6.8 ms ACF (Auto-Correlation-Function) for fetal heart rate detection
Waveforms:	Sonogram $F_{MAX/MIN}$ Or $F_{MAX+MIN}$ Trend of heart rate (for 2MHz fetal probes only)
Calculations / Indices:	Heart Rate (HR), Mean Velocity (Mean), Pourcelots Resistance Index (RI), Pulsatility Index (PI), Systolic over Diastolic Ratio (S/D)
Display:	160 x 150 pixels, black / white graphic LCD display
Replay Buffer Size:	4 displays
Frequency Ranges:	$\pm 2.5\text{kHz}$, $\pm 5\text{kHz}$, $\pm 10\text{kHz}$
Wall Thump Filters:	100Hz, 200Hz, 400Hz
Display Time:	2s, 4s, 8s 60s, 120s, 240s for trend of heart rate
Controls:	5 button control of all parameters
Memory for Setups:	Non-volatile memory for user setups
Data Memory:	Memory for up to 60 sets of measurements (sonograms and sound)
Real Time Clock:	Date and time
Voice Message:	Voice message stored with Doppler measurements
System Software Update:	Via PC
Indications:	Probe Identification, Displayed Waveform, Symbol for Heart Rate, Wall Thump Filter, Frequency Range, Flow Direction
Audio:	500mW speaker (mono), output for stereo headphones
Data Interface:	USB interface to PC for on-line data transfer of spectral data and stereo sound
Power:	NiMH batteries, 4 x 1.2V, 2300mAh, AA size Charge management included 7.5V DC power supply
Battery Life:	8 hours of operation Display of Low Battery symbol
Automatic Power Shut Off:	3 minutes without signal
Size:	17.5cm x 11cm x 5cm
Weight:	500 grams (including batteries and 1 probe)
Size of probes:	14mm x 110mm (\varnothing x L), CW 4MHz and CW 8MHz 33mm x 8mm (\varnothing x H), CW 2MHz precordial flat probe 33mm x 14mm x 120mm (\varnothing x \varnothing x L), CW 2MHz fetal probe

Specifications are subject to change without notice