Advanced Portable Dopplers

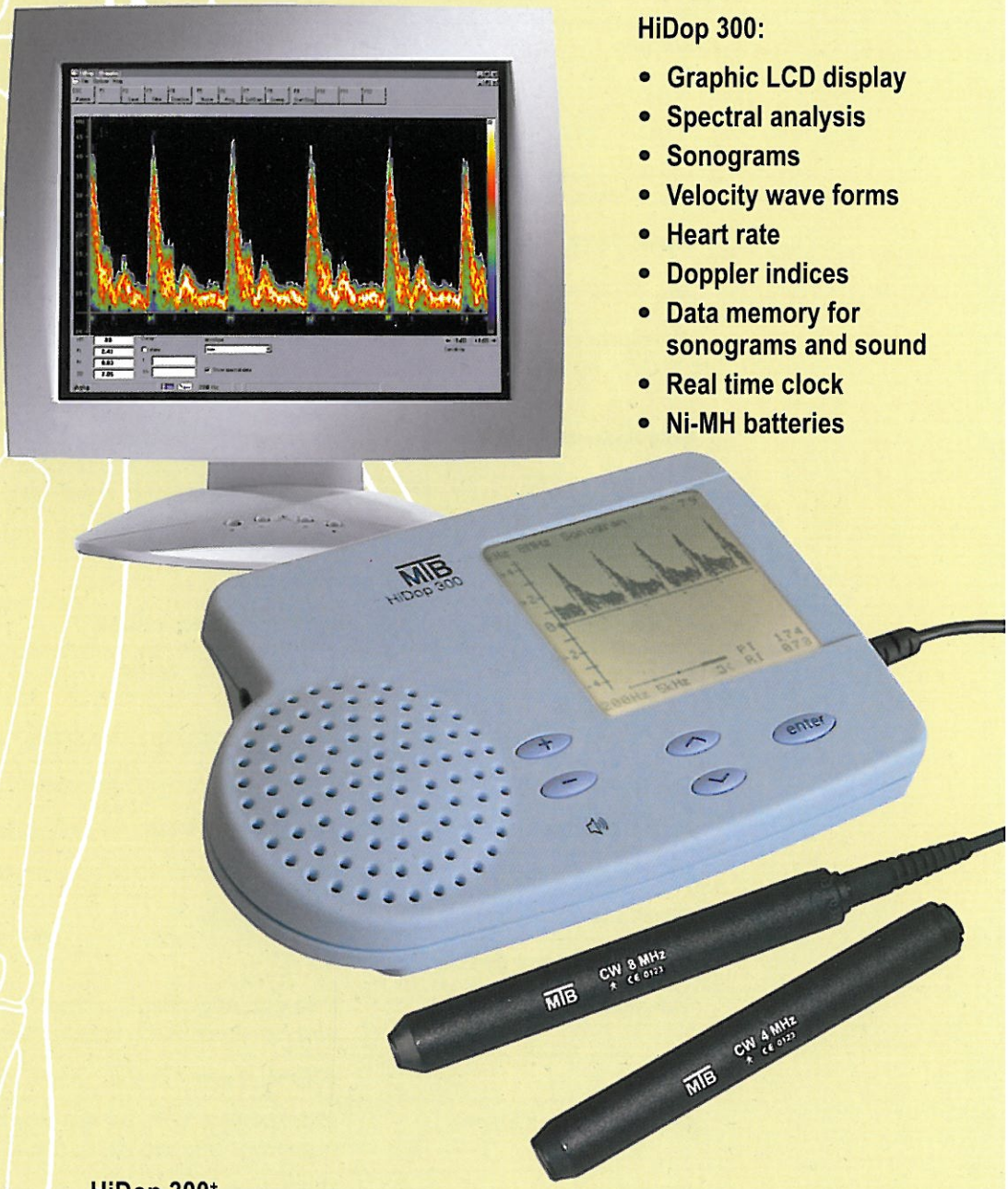
HiDop 300® Spectral Doppler

Windows XP Software:

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

Options:

- PC software
- Data memory
- Footswitch



HiDop 300:

- Graphic LCD display
- Spectral analysis
- Sonograms
- Velocity wave forms
- Heart rate
- Doppler indices
- Data memory for sonograms and sound
- Real time clock
- Ni-MH batteries

Probes:

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

Precordial Doppler
for air emboli detection

HiDop 300+
Dual Probe Doppler

Fetal 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 LCD graphic display
Replay Buffer Size:	4 displays
Frequency Ranges:	±2.5kHz, ±5kHz, ±10kHz
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 (Option):	Memory for up to 60 sets of measurements (sonograms and sound)
Real Time Clock:	Date and time
System Software Update:	Via PC
Indications:	Probe Identification, Displayed Waveform, Symbol for Heart Rate, Wall Thump Filter, Frequency Range, Flow Direction, Low Battery
Audio:	500mW speaker (mono), output for stereo headphones
Data Interface (Option):	USB interface to PC for real-time data transfer of spectral data and stereo sound
Power:	Ni-MH batteries, 4 x 1.2V, 2300mAh/2500mAh, AA size Charge management included 7.5V DC power supply
Battery Life:	Min. 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 (Ø x L), CW 4MHz and CW 8MHz 33mm x 8mm (Ø x H), CW 2MHz flat probe 33mm x 14mm x 120mm (Ø x Ø x L), CW 2MHz fetal probe

Specifications are subject to change without notice