

# VASCULAR DOPPLER UNIDIRECTION DISPLAY

Model: DOP-520T



## Features:

- Detect the blood stream status of arterial/venous by 8.0MHz.
- Detect the blood flow average velocity.
- Detect the result of finger/toes and part of body's vein anatomies operation.
- It can be used to listen the temporo-mandibular joints (They become noisy when they start to brake because of the bite problems), assist doctor to check the conditions of the joints and predict the result of treatment.
- Built-in ARM microprocessor & real-time displays blood flow velocity waveform;
- Choose menu by pressing keys, store 50 curves;
- High-speed USB port, can be connected directly to computer to analyze, store, and print the waveform.
- Detect the pulse rate and show PR simultaneously
- PPG probe for Option.

## Specification:

Ultrasonic frequency:	8.0MHz $\pm$ 10%
Operational standard:	IEC-601-1
Frequency: Main unit:	200 $\pm$ 80 to 5000 $\pm$ 1000Hz
Probe:	350 $\pm$ 80 to 2500 $\pm$ 500Hz
Wave type:	sine wave
Outside output:	speaker
Ultrasonic frequency:	8 .0 MHz $\pm$ 10%
Ultrasonic power's average strength:	$\leq$ 50mW/cm2
Detecting scope:	0 ~ 90 cm /s
Speed measure error:	$\leq$ 20% (relative error)
System-gain:	> 100dB
Width of sound frequency:	0.2 KHz to 7.0 KHz
Display mode:	LCD 320 x 240 dots TFT
Power supply:	AC/DC work
Whole unit's power consumer:	<20W
	Built-in Li-ionrechargeable battery
Power indication:	green light diode indication
Charging indication:	while charging, the light is green, and when it is full, the light will turn off
Continuous working time:	$\geq$ 8 hours
Outside dimension:	70*130*40 (mm)
Net weight:	250 g
<b>Environment requirement:</b>	
Working environment:	Temperature: +5°C ~ +40°C Humidity: <80%
	Atmosphere pressure: 86kPa ~ 106kPa
<b>Certification:</b>	
The product approved by CE	



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