

SONOTRAX

Ultrasonic Doppler Baby Heart Monitor



Optional Audio Recording & Playback (Sonotrax Pro & II Pro)



Carrying Case Included



Interchangeable Waterproof Probes

The SonoTrax Series provides outstanding sensitivity, high-fidelity sound quality, recording capabilities, and the option of a rechargeable battery. These attributes make the SonoTrax Doppler family ideal for meeting the routine examination requirements of obstetricians and midwives. Moreover, each model comes with an audio output that can be effortlessly linked to earphones or recording devices.

Features:

- Easy-to-use & compact design
- Supports AA battery
- Built-in audio recorder
- Detects & indicates low battery
- Switch modes between Real-time, Average, & Manual
- Earphone socket
- Adjustable volume
- Probe detecting
- Supports 2, 3, 4, 5, & 8 MHz probes



Lite



Basic A



Pro



Vascular



II



II Pro

What's the Difference?

	SONOTRAX Lite	SONOTRAX Vascular	SONOTRAX Basic A	SONOTRAX Pro	SONOTRAX II	SONOTRAX II Pro
LCD Display	✗	✗	✓	✓	✓	✓
Modes Switching	✗	✗	✓	✓	✓	✓
Audio Recording and Playing	✗	✗	✗	✓	✗	✓
Rechargeable Battery	✗	✗	✗	✗	✓	✓

Waterproof Interchangeable Probe Options

FETAL USE

- 2 MHz — *12.01.14320*
- 3 MHz — *12.01.14321*

VASCULAR USE

- 4 MHz — *12.01.14346*
- 5 MHz — *02.01.104822*
- 8 MHz — *12.01.14347*

Included Accessories

- Carry Case
- Waterproof Interchangeable Probe
- Lithium Polymer Rechargeable Battery — *01.21.064127*
- Adapter for Charger (USA Standard) — *01.21.064157*



Specifications

PHYSICAL SPECIFICATION

Main Unit:

Dimensions: (34±1) mm x (89±1) mm x (141±1) mm
Weight: < 300 g (including the battery)

Probe:

Dimensions: 112 mm x 32 mm
Weight: 100 g
Cable Length: 2.5 m

Display:

LCD Display: 45 mm x 25 mm
Two Brightness Adjustable: OFF,ON

POWER SUPPLY (SonoTrax Vascular/Lite/Basic/Basic A/Pro)

Alkaline battery (AA LR6 1.5V): Stand-by Time 9 hours
Rechargeable NIMH battery: Stand-by Time 8 hours

POWER SUPPLY (SonoTrax II/II Pro)

Nominal Capacity: 1800 mAh
Nominal Voltage: 2.4 VDC
Normal working time: ≥ 8 hours
Charge time: ≤ 4 hours

AUDIO OUTPUT

Output Power: 1W

FHR

Operating Mode: CW
Working Frequency: (2 ±10%) MHz / (3 ±10%) MHz
Nominal Frequency: 2 MHz / 3 MHz
Effective Radiating Area of Transducer: (245±15%) mm²
FHR Measurement Range 50bpm ~ 210 bpm
Resolution: 1 bpm
Accuracy: ±3 bpm
Sensitivity: 10 Weeks Gestation (3 MHz)

VASCULAR

Operating Mode: CW
Working Frequency:
(4 ± 10%) MHz / (5 ± 10%) MHz / (8 ± 10%) MHz
Nominal Frequency: 4MHz / 5MHz / 8MHz
4MHz / 5MHz / 8MHz Vascular Probe:
p- <¹ MPa
I_{ob}<²⁵ mW/cm²
I_{spta} <¹⁰⁰ mW/cm²
Effective Radiating Area of Transducer:
4 MHz / 5 MHz : (32 ±15%) mm²
8 MHz: (14 ±15%) mm²

RECORDING AND PLAYING

Audio Sampling Frequency: 4 kHz
Recording Length: 240 seconds

AUTO POWER-OFF

1 minute after no signal or operation,
auto shut down.