

SonoTrax II Pro Doppler

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EDAN



SONOTRAX II PRO DOPPLER

DESCRIPTION

SonoTrax Dopplers are easy to use ultrasonic dopplers that allow mothers and health care professionals to retrieve a fetal heart rate (FHR). The SonoTrax II Pro Fetal Doppler provides caregivers with a cost-effective solution to meet routine obstetric and vascular requirements.

The SonoTrax II Pro is our fully loaded model with a backlight screen, audio playback, and a built-in rechargeable battery. You can also operate the unit with 4MHz, 5MHz, or 8MHz probe for vascular diagnosis.



FEATURES

- Easy-to-use
- Compact design
- Interchangeable waterproof probe
- Large backlight LCD display
- Accurate FHR detection with high-fidelity sound effect
- Supports 2MHz, 3MHz, 4MHz, 5MHz, 8MHz waterproof probes
- Auto, Average and Manual modes
- Built-in rechargeable battery for 4 hours of continuous work
- Automatic power-off to save power

SPECIFICATIONS

Physical Specifications

- Main Unit
 - Dimensions(DxWxH) (34±1)mmx(89± 1)mmx(141 ±1)mm
 - Weight <300g (including the battery)
- Probe
 - Dimensions 88mmx35mm
 - Weight 100g
 - Cable Length 2.5m (SD5)
- Display
 - 45mmx25mm LCD Display
 - Two Brightness Adjustable

Power Supply (SonoTrax Vascular/ Lite/ Basic/ Basic N Pro)

- Alkaline battery (AA LR6 1.5 V)
 - Stand-by Time 9hours
- Rechargeable NI-MH battery (AA R6 1.2 V)
 - Stand-by Time 8hours

Power Supply (SonoTrax 11/ II Pro)

- Nominal Capacity 1800mAh
- Nominal Voltage 2.4V
- Normal working time ≥ 8hours
- Charge time ≤ 4hours

Audio Output

- Output Power
 - 1W

FHR

- Operating Mode
 - CW
- Working Frequency
 - $(2\pm 10\%)$ MHz/ $(3\pm 10\%)$ MHz
- Nominal Frequency
 - 2MHz/3MHz
- 2MHz/3MHz Obstetrical Probe
 - p- <1 MPa
 - lob <10 mW/cm²
 - Ispta <100 mW/cm²
- Effective Radiating Area of Transducer
 - $(245\pm 15\%)$ mm²
- FHR Measurement Range
 - 50bpm - 2"10bpm
- Resolution 1bpm
- Accuracy ± 3 bpm
- Sensitivity 10 Weeks Gestation (3MHz)

Vascular

- Operating Mode
 - CW
- Working Frequency
 - $(4\pm 10\%)$ MHz/ $(5\pm 10\%)$ MHz/ $(8\pm 10\%)$ MHz
- Nominal Frequency
 - 4MHz/5MHz/8MHz
- 4MHz/5MHz/8MHz Vascular Probe
 - p- <1 MPa
 - lob <10 mW/cm²
 - Ispta <100 mW/cm²
- Effective Radiating Area of Transducer
 - 4MHz/5MHz $(32\pm 15\%)$ mm²
 - 8MHz $(14\pm 15\%)$ mm²

Recording and Playing

- Audio Sampling Frequency 4kHz
- Recording Length 240 seconds

Auto Power-off

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

Coupling Gel

- pH 5.5 - 8.0
- Acoustic Impedance 1.5x10⁶ Pa.s/m - 1.7x10⁶ Pa.s/m (35°C/95°F)

Safety Specifications

- Standards Compliance
 - IEC 60601-1:2005, EN 60601-1:2006, IEC 60601-1-2:2007,
 - EN 60601-1-2:2007, IEC/EN 61266, IEC/EN 60601-2-37
- Anti-electric Shock Type
 - Internally powered equipment
- Anti-electric Shock Degree
 - Type B equipment
- Degree of Protection against Harmful Ingress of Water
 - Main Unit Ordinary Equipment (Sealed equipment without liquid proo
 - Probes IPXS
- Degree of Safety in Presence of Flammable Gases
 - Equipment not suitable for use in presence of flammable gases
- EMC
 - CISPR11 Group I Class B
- Working System
 - Continuous Operation

Environmental Specifications

- Temperature
 - Working +5°C - +40°C (+41 °F - + "104°F)
 - Transport and Storage -20°C - +55°C (-4°F - + "131°F)
- Relative Humidity
 - Working 25% - 80% (non-condensing)
 - Transport and Storage 25% - 93% (non-condensing)
- Atmospheric Pressure
 - Working 86kPa - 106kPa
 - Transport and Storage 70kPa - 106kPa



Compact Battery Charger



Backlit LCD



Built-in Recorder



Interchangeable
Waterproof Probe



Carry Case



Rolling Stand (Optional)



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