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Neostar - 2

(Fetal Doppler)

SPECIFICATIONS:

- Standard: EN61266:2002
- Safety: BF/Class II /Internal power
- Overall sensitivity : ≥ 90 dB (Integrated sensitivity 200mm away from the surface of the probe)
- When measuring integrated sensitivity, using the Doppler frequency (300 ± 50) Hz, reflecting target speed is 10cm/s – 40cm/s.
- Target velocity and display range : not narrower than 50bpm -240bpm (± 2 bpm). (Beat Per Minute).
- Alarm range : < 100 bpm or > 160 bpm (Please see a doctor once the FHR is abnormal)
- Output power : ≤ 10 Mw/cm²
- EMC testing data
- Working frequency : 2.0 MHz $\pm 10\%$
- Spatial temp-peak acoustic pressure : ≤ 0.1 Mpa.
Effective area of transducer. 6.0 ± 0.5 cm²
- Adapter Input voltage : 230V AC
- Adapter input consumer (recharging) : ≤ 5 VA
- Adapter output voltage (no load) : DC12V ± 1 V
- Battery : 9V Ni-MH batteries
- Audio output power : ≤ 1.8 W
- Coupling medium impedance : 1.5 – 1.6 (10^5 b/ cm².s)
- Doppler frequency : 0-30KHz
- Working time (after recharged) : ≥ 2 hours
- Working environment : temperature: $+5^{\circ}\text{C} - 40^{\circ}\text{C}$
- Humidity: $\leq 80\%$ Atmospheric pressure : 86kPa - 106kPa
- Transport and storage environment: temperature:
 $-10^{\circ}\text{C} - 40^{\circ}\text{C}$ Humidity : $\leq 80\%$
- Atmospheric Pressure: 86kPa - 106kPa, well-ventilated room without corrosive gasses.
- Acoustic output parameters meet the national exempted conditions released that the ultrasonic and ain unit in all operated mode can meet the following requirements:
 - a. The peak negative acoustic pressure (p_-) < 1 MPa;
 - b. The output beam of sound intensity (I_{ob}) < 20 mW/ cm²;
 - c. Spatial peak time average educed the sound intensity (I_{spta}) < 100 mW/ cm²



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