Trusted Your Partner in Healthcare

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 (± 2bpm). (Beat Per Minute).
- Alarm range : <100bpm or > 160bpm (Please see a doctor once the FHR is abnormal)
- Output power : ⩽ 10Mw/cm^2
- EMC testing data
- Working frequency : 2.0 MHz ± 10%
- Spatial temp-peak acoustic pressure : ⩽ 0.1 Moa.
  Effective area of transducer. 6.0±0.5 cm^2
- Adapter Input voltage : 230V AC
- Adapter input consumer (recharging : ⩽ 5VA
- Adapter output voltage (no load) : DC12V± 1V
- Battery : 9V Ni-MH batteries
- Audio output power : ⩽ 1.8 W
- Coupling medium impedance : 1.5 – 1.6 (10^{5}b/ cm^2.s)
- Doppler frequency : 0-30KHz
- Working time (after recharged) : ⩾2 hours
- Working environment : temperature: +5°C - 40°C
- Humidity: ⩽ 80% Atmospheric pressure : 86kPa - 106kPa
- Transport and storage environment: temperature:
  -10°C - +40°C Humidity : ⩽ 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_) < 1MPa;
  b. The output beam of sound intensity (Iob) <20mW/ cm^2;
  c. Spatial peak time average educed the sound intensity (Ispta) < 100mW/ cm^2

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