Neoprobe neo2000
Gamma Detection System

The **Neoprobe neo2000** is an electronic device intended to detect and quantify gamma radiation. The Neoprobe neo2000 is indicated for external and intraoperative detection of radioactivity in body tissues or organs, where radiopharmaceuticals are administered.

Features

- Graphic display that accumulates light bars starting from the bottom as data is collected or time elapses during a count.
- Target count numeric display that shows the radioactivity count detected by the probe either while scanning or after taking a target count or target check.
- Background count numeric display shows default values or actual values of radioactivity counts detected after taking a background count.
- Ratio numeric display that lights up to show ratio calculated.
- Target count indicator light flashes when target count or target check is calculated and displayed.

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Specifications

Dimensions	**Height:** 9.25” (23.5 cm) **Width:** 12.25” (31.1 cm) **Depth:** 10.1” (25.7 cm) **Weight:** 6.5 lbs (3.0 kg)
Power	**Operating Power:** AC Line Power 100-240 VAC (50-60 Hz) **Power Consumption:** 10 watts, nominal; 36 watts, maximum (at high volume) **Heat Output:** negligible (10 watts, nominal)
General	**Audio:** 70 dB sound pressure level at 1 meter **Counter:** zero to (2^{32} -1) **Energy Range:** 12-600 keV internal windowing resolution **Maximum Count Range:** 99,999 cps
Environmental	**Operating Temperature Range:** 10° to 40° C (50° to 104° F) **Storage and Transit Temperature:** -20° to 60° C (-40° to 140° F) **Storage and Transit Humidity:** 10 percent to 95 percent **Storage and Transit Atmospheric Pressure:** 500 hPa to 1060 hPa (7.3 psia to 15.4 psia)

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