

JAN 10 1997

K964340

## **SAFETY AND EFFECTIVENESS SUMMARY    portaREM-3000, PFS-6000**

**NAME OF DEVICE:** Rastronics portaREM-3000, Starkey PFS-6000

**TYPE OF DEVICE:** Hearing aid calibrator and analysis system

**INTENDED USE:** The portaREM-3000,PFS-6000 is a portable hearing aid dispensing system which allows the Hearing Health Care Professional to test hearing aids to IEC/ANSI standards. It also allows for Real Ear testing, and In Situ Audiometry via the use of the probe microphone, and offers a 2cc coupler conversion in which the 2cc coupler response desired can be determined from the audiogram. Standard puretone measurement is also available. With the PFS software, which will be standard with PFS-6000 and optional for the pR-3000, prescriptive formulas, matrix and hearing aid selection, order form printing, along with other options described in the user manual are available.

**FEATURES:** Easy to use menu-driven software, connections for color monitor and external printer, complete 2cc coupler test according to IEC/ANSI, intermodulation distortion measurement, composite signals, Ear Canal Resonance(REUR), Insertion gain measurements(REIR), In Situ response(REAR), In Situ audiometry, Real Ear 2cc coupler conversion(NAL), Insertion gain with Prescription Rules and Articulation Index, Fitting prescriptions:NAL, POGO I, POGO II, 1/2 Gain, 1/3 Gain, and Berger. There is a 3.5 inch disk drive, built in Thermoprinter for hard copy, test chamber for hearing aid measurement, 4.7" color LCD monitor, battery simulator, two RS-232 serial port interfaces, real ear probe mic.

**ASSEMBLY:** Electronic circuitry all complies to IEC 601 and FCC part 15 class B. Display is 4.7" LCD 640\*480 resolution, color monitor, Thermoprinter. Loudspeaker min. 6W in 4 Ohms, freq. range 50 Hz-15,000 Hz. All electrical components are of a standard, off the shelf variety.

### **TECHNICAL**

**CHARACTERISTICS:** Technical specifications complies to IEC 601 and FCC part 15 class B, 2 channels, LCD monitor, Thermoprinter, single 3.5 in floppy drive, measurement circuits freq. range: 42 - 15600 Hz, dynamic range: 130 dB, dynamic resolution: 0.25 dB, accuracy:  $\pm 0.2$ dB, loudspeaker output: min. 6W in 4  $\Omega$ , freq. range: 50 - 15000 Hz, electrical THD:< 0.01%  
MDD compliance will be achieved by Jan. 1997.

**CONTROLS:** The keyboard is a fully functional PC style keyboard.

**POWER:** 110 or 220 V ac; 50-60 Hz; at 220 V AC: 250 mA max.,  
110 V AC: 500 mA max.

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