

Earscan[®]

Microprocessor Pure Tone Audiometer



Micro Audiometrics

TM

For Hearing Testing

Earscan[®] MP Pure Tone Audiometer

Earscan is a sophisticated, yet easy to use, automatic and manual air conduction audiometer. For the patient who needs individual attention, Earscan can be operated in the manual (operator controlled) mode. In the automatic (microprocessor controlled) mode, Earscan will present and record all left and right ear data automatically. The microprocessor controls the testing, eliminating most operator involvement.

CHOICES: Earscan is available in two versions: as a threshold audiometer, or as a pass/fail screening audiometer.

Threshold establishes the patient's ability to hear at the lowest possible hearing level. Screening gives a quick indication of the patient's hearing potential based on preset pass/fail criteria.

USER SELECTABILITY: Earscan incorporates user selectable frequency and intensity levels to optimize test parameters for the best compromise of speed and thoroughness. All testing levels are user selectable prior to testing. At the time of purchase, the user may specify preset levels that will fulfill his testing requirements. If not specified, the most common preset test parameters will be provided.

RELIABLE: Earscan is designed with 100% digital switches and calibration technology which provide long term repeatability. Mechanical signal switches and calibration pots, which are a major cause for instrument failure and calibration drift, have been eliminated.

PORTABLE: Light weight and compact for easy transportation. Optional carrying cases are available.

TEST RESULTS: LCD reports stored test data, allowing the operator to recall established thresholds for both ears.

UPGRADEABLE: Earscan may be upgraded to an audiometer with battery backed-up memory for multiple test storage, or to a full-featured hearing testing instrument with acoustic impedance and ipsilateral reflex. In addition, Earscan may be purchased with data output that will interface with a number of printers for single or multiple hardcopy reports or to a computer for data management with commercially available software.

WARRANTY: Three years parts and labor on Earscan; one year on headset and patient response button.

SERVICE: First year calibration free. Prompt service. Factory calibrations include free revisions that keep your Earscan up-to-date.

Specifications

GENERAL

Dimensions	7.5"W x 3"H x 9"D (19cm x 7.6cm x 23cm)
Weight	3 lbs. (1.4 kg)
Power	U.S. and international voltages
Display	LCD; 14 characters x 4 lines
Presentation	(3) 200 msec pulses or continuous tone
Repetition Rate	Pseudo-random intervals
Standard Accessories	TDH-39 headset, patient response button, user's guide
Optional Accessories	Carrying case, noise excluding headphone enclosures, sound room cords
Calibration	First year calibration free, ANSI Standard S3.6-1989 for Pure Tone Audiometers, ISO & IEC Standards

MANUAL

Frequencies	Same as for threshold or screening version
Hearing Levels	0-90 dB HL except 250 & 8K Hz to 70 dB HL
Attenuation	+5/-10 dB steps

THRESHOLD VERSION

Frequencies	250*, 1K*, 500, 1K, 2K, 3K, 4K, 6K, 8K Hz
Hearing Levels	0-90 dB HL except 250 & 8K Hz to 70 dB HL
Attenuation	+5/-10 dB steps

SCREENING VERSION

Frequencies	250*, 1K*, 500, 1K, 2K, 3K, 4K, 6K*, 8K*, Hz
Hearing Levels	25-35 dB HL
Attenuation	+5 dB steps

* These frequencies are deleted on standard orders unless specified.
Specifications subject to change without notice.



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