Earscan® 3

ES3M

Manual Pure Tone Audiometer

Short-Form User's Guide

Rev 1.03

Micro Audiometrics
CORPORATION

KEY USAGE

ES3M models have a yellow keypad/overlay with the following keys:

ON – Turns the instrument on
MENU – Menu access / Move up one level in Menu structure
TALK – Enter talk over mode
Hz▲ – Increase frequency / Move up in menu list
Hz▼ – Decrease frequency / Move down in menu list
dB▲ – Increase level / Move up in menu list
dB▼ – Decrease level / Move down in menu list
L – Present signal to Left ear / Select menu item
R – Present signal to Right ear / Select menu item
L + R – Present signal to Both ears

Press the  logo key to display the ES3M Information screen.
Press any key to exit the information display screen.

Key presses appear in **{ }**; e.g. **{MENU}** means **press** the MENU key.

Use {**Hz▲**} / {**Hz▼**} or {**dB▲**} / {**dB▼**} for menu navigation.

Use **{L}** or **{R}** to select a menu item.

Menu sequences are represented as **⌐MENU1 ⌐MENU2 ⌐MENU3**.
The "**⌐**" means "scroll to Menu Item and press the **L** or **R** key".

QUICK CHECKS

At power-up, the ES3 logo should be displayed and the backlight should be on.
After a short pause, the ES3M should display the **manual audiometry** screen and should respond to keypad control.

Keypad operation can be tested by pressing keys to see if the appropriate response occurs. When in menu mode, the speaker should produce audible key press 'ticks'.

Set frequency to 1000 Hz and level to maximum.
Press **L** or **R** and a tone (pulsed or continuous) should be heard at a comfortable loudness level at the correct ear.

Press **dB▲** and **dB▼** and present a signal to verify that signal loudness increases or decreases, respectively.

Press **Hz▲** and **Hz▼** and present a signal to verify that signal frequency increases or decreases, respectively.

MENU TREE (FROM TOP LEVEL MENU)

Audiometry Setup	Audiometry options
. Frequencies to Test	. Select from list
. Starting Frequency	. Select from list
. Levels to Test	. Select from list
. Starting Level	. Select from list
. Tone Mode	. **Pulsed** / Continuous
. Lock or Unlock Settings	. Password protected
. Reset Settings	. Yes / **No**
Advanced Settings	Advanced setup options
. A/C Power Settings	. When operating on A/C or USB power
. . Backlight	. . **Never** / 30 sec / 1, 2, 5 min
. . Power Down	. . Never / 1, 5, **15**, 30 min / 1 hour
. Bat. Power Settings	. When operating on battery power
. . Backlight	. . 5, 10, **20**, 30 sec / 1 min
. . Power Down	. . 15, 30 sec / **1**, 2, 5 min
. Adjust Contrast	. Adjust as desired
. Adjust Brightness	. Adjust as desired
. Key Volume	. **Low** / Medium / High
. Perform Calibration	. Password protected
. . 70 dB HTL	. . Set target level to 70 dB HTL
. . 85 dB SPL	. . Set target level to 85 dB SPL
. . Calibration Date	. . Enter Calibration Date
. . Audiometer Test	. . Tone “On” calibration test mode
. . Send Data	. . Transmit cal data via serial port
Turn Off	Turn instrument off