RECD ENHANCEMENTS

a | Verifit® 2
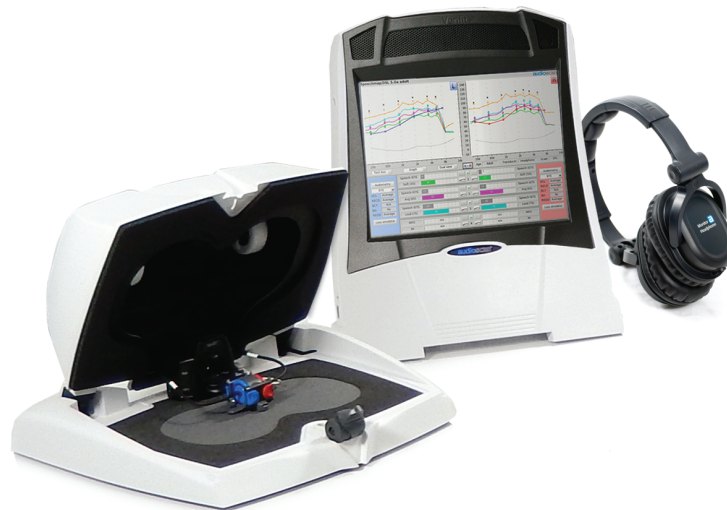
PKB#4 REVA

RECD enhancements for Verifit®2 — Software 4.2

In collaboration with the National Centre for Audiology, changes have been made to the measurement and handling of Real Ear to Coupler Difference (RECD) data. These enhancements also observe the new ANSI S3.46-2013 RECD specifications.

The new software offers the following benefits:
• Support for earmold use in RECD without requirement for ER-3A insert phone
• Implementation of DSL HL-to-SPL conversions specific to the HL coupling
• Expanded support for test box measurements of BTE devices when earmold is not available.

What has changed?

As always, when entering audiometric assessment data, you will be prompted for the transducer used for HL threshold measurement. New in 4.2 software, the user is also prompted to select RECD coupling - foam eartip or earmold (except where average RECD data is being used). This allows the client's personal earmold to be used in RECD when desired, and facilitates entry of RECD data that was measured this way.

In previous software, RECD real ear measurement method was linked directly to the selection of HL transducer. If earmolds were used, an ER-3A insert phone was required. Now, selection of RECD coupling is independent of the HL transducer and the Audioscan transducer is used for all measurements - both foam tip and earmold. This simplification means that ER-3A insert phones and Audioscan adaptor cable are no longer used in the collection of RECD data.

For Test box Speechmap® BTE instruments are coupled to the silver .4cc coupler. To couple, use either the client's earmold with putty, or the Audioscan earmold substitute.

The earmold substitute conforms to the ANSI definition of the HA-4 configuration and has been renamed in the new 4.2 software as such. When coupling a BTE in the test-box, the user selects instrument type "BTE + mold" or "BTE + HA-4". The addition of these options allows the Verifit2 to apply a correction based on an average earmold tubing response when the earmold is unavailable.

Compatibility

The Verifit2 measures and uses a .4cc coupler referenced WRECD internally, but also provides an HA-1 referenced RECD. This approach ensures compatibility with other Audioscan models, and also conforms to ANSI S3.46-2013 advice which states that the **RECD is a property of the ear only**, exclusive of the coupling and sound source used to measure.

When entering previously-measured RECD data, the user is prompted to choose the coupler reference. 0.4cc is selected when entering data measured on Verifit2, HA-1 RECD is selected when entering RECD measured on Axiom, RM500SL, or legacy Verifit with current software, and HA-2 is selected for software 3.10.39 or earlier (1.6.5 or earlier for Axiom). Note that when entering existing RECD data the coupler reference appears on the printout — if using NOAH, the selection will be automatic.

The RECD improvements described here will be implemented with the release of software version 4.2 for Verifit2. Please check audioscan.com for availability.

If you have more questions please contact us!

www.audioscan.com   USA 800-265-2093   (519) 268-3313   info@audioscan.com