Affinity HIT440 Module

- Efficient Hearing Aid Testing

Hearing instrument testing

With HIT440 Hearing Instrument Testing module the Affinity takes hearing aid evaluation to a whole new level in its ease of use and flexibility.

All client data can be saved directly to NOAH or Interacoustics' own IABaseII database during the hearing aid fitting. You can also choose not to use a database for quick and easy hearing aid evaluations. While preloaded standard ANSI and IEC protocols including coil measurements can get you up and running quickly you can also create your own protocols or import specialized tests such as those that are developed specifically by hearing aid manufacturers.

Easy reporting

You can print a customized report at the end of the session or gain immediate access to the data from previous test sessions. You no longer have to print the data and paste it in a file – now you can save it and verify hearing aid functionality over time, even compare tests right on your PC screen.

Directional microphones

Directional hearing aid microphones can be tested in the integral test box and all tests can be directly compared to previous measurements made on the same hearing aid.

Other benefits of the HIT440 module:

- Easy upgrade with new tests
- Tests digital hearing aids
- Report page for session notes

Fit for the future

The HIT440 module is designed to test traditional hearing aids as well as digital hearing aids. Special stimuli and test procedures are available and include ICRA noise and real speech. Most importantly is the open architecture of the Affinity software platform. As new technology is developed future hearing aids will require special stimuli that are not known today. While you may have had to buy a new hearing aid testing device to keep up with hearing aid technology in the past, the Affinity has the ability to simply load new test stimuli and procedures on its platform.





Affinity HIT440 Module

- Efficient Hearing Aid Testing

General Technical Specifications

Standards:

Safety: EN 60601-1, Class I, Type B, UL 2601-1, CAN/CSA-C22.2 No. 601.1-M90, EN 60601-1-1. EMC: EN 60601-1-2.

Medical CE-mark:

The CE-mark indicates that Interacoustics A/S meets the requirements of the Annex II of the Medical Device Directive 93/42/ EEC. Approval of the quality system is made by TÜV – identification no. 0123.

Computer Communication:

Built-in USB1.1 computer interface. Optical isolation available.

PC Minimum Requirements:

Processor/clock speed: 800 MHz Pentium 3 or better. System RAM: Minimum 128 MB Screen Resolution: Minimum 800 x 600 Harddisk space: Minimum 500 MB free disk space. Operating System: Windows 98 SE/2000/ XP/ME.

Construction: Painted metal cabinet bottom and moulded plastic top.

Weight: 5.5 kg / 12.1 lbs.

Dimensions: (LxWxH): 42x38x15 cm/ 16.5x15x5.5 inches.



Technical Specifications - Affinity HIT440 Module

Hearing Aid Analyzer: EN 60118-0, EN 60118-7, ANSI S3.22.

Frequency Range: 100-10000Hz.

Frequency Resolution:

1/3, 1/6, 1/12 and 1/24 octave or 1024 point FFT.

Frequency Accuracy: ± 1%.

Stimulus Signal: Warble Tone, Pure Tone, Random noise, Pseudo random noise, Band limited white noise, Chirp, ICRA, Real Speech, any other sound file (automatic calibration available).

Sweep Speed: 1.5 - 12 sec.

Stimulation Intensity Range: 40-100 dB SPL in 1 dB steps.

Included Parts:

Affinity HIT440 CD 2CC coupler with microphone and adaptors for ITE, BTE and Body Style HA Coupler seal wax Reference Microphone Standard USB Cable Power Cable 120 or 230V Operation and Multilingual CE Manual

Interacoustics A/S

Phone: +45 6371 3555 Fax: +45 6371 3522 E-mail: info@interacoustics.com Web: www.interacoustics.com Mail: Interacoustics A/S DK-5610 Assens, Denmark

Intensity Accuracy: ± 1.5 dB

Stimulus Distortion: Less than 1 % THD.

Coupler Microphone Ranges: 40-145dB.

FF Loudspeaker Output: Max 6 W into 80hms, max 10 W into 4 ohms.

Telecoil drive in Test box: 10 – 100 mA/ meter.

Battery Simulator: Standard types are selectable, Custom types within 1.1 - 1.6 V, 0 - 25 Ohm range.

Test box:

Built in test box holds telecoil drive as well as special dual speaker set for checking directional microphone function.

Noah: 3.0.

Optional Parts:

Battery Adapters BAA675, BAA13, BAA312, BAA10, BAA5 Couplers 1.2CC and 0.6CC: ITE, BTE, Body Ear Simulator TBS25M External Test Chamber incl. cables. ACC60 Affinity carrying Case Calibration Adaptor

Sales and Service in your area:

PreProgrammed Protocols:

HIT module comes with a set of Test Protocols loaded. Additional Test Protocols can be designed by user, or easily imported into the system.

Available test box tests: IEC118, ANSI 3.22, Custom: OSPL90 Full On Gain Input/Output Attack/Recovery Time Reference Test Gain Frequency Response Equivalent Input Noise Harmonic Distortion Intermodulation Distortion Battery Current Drain/Battery Life Time Microphone Directionality Coil Frequency Response Coil Harmonic Distortion Coil Full-On Gain Response

33005101 - 3 - 07/2006



