Orchestral perfection
A full line of Audiology Equipment

NEWS FOR 2019
Timpani – Handheld tympanometer
See page 9

involving audiology
Bell is a basic diagnostic audiometer, capable of performing fast and accurate air and bone conduction threshold examinations. Simple operation, a fast and reliable automatic examination mode, a user-friendly interface and easy portability make Bell the ideal instrument for private clinics, multi-specialist clinics and occupational medicine applications.

- Pure tone audiometry in AC and BC (only Plus model)
- Hughsone-Westlake auto threshold test
- Color graphical display
- Internal memory for 100 patients
- Cost effective solution
- Hybrid technology: can be operated through the PC

Harp is an advanced diagnostic audiometer, capable of performing fast and accurate air, bone and speech audiometric exams, as well as several additional tests including QuickSIN™ and a two-channel master hearing aid. Top-level features combined with ease of use and portability make Harp the ideal choice for a wide range of users, from audiologists to clinics and hospitals.

- Pure tone and speech audiometry in AC, BC and FF
- Internal flash memory for the speech material (only Plus model)
- Additional tests: HW auto threshold, ABLB, SISI and Stenger; DLI, Tone decay, Master Hearing Aid; [only on Plus model] TEN test (optional), QuickSIN™ (optional)
- Built-in thermal printer (optional)
- Hybrid technology: can be operated through the PC

Piano is an advanced clinical audiometer with two separate and independent channels. Piano features a complete battery of tests, all easily managed via a wide touch screen colour display. Advanced features, supreme flexibility and extreme simplicity of use make Piano the ideal choice for clinics and hospitals, as well as for professional practitioners who demand the very best from their instruments.

- Wide color graphical display with touch screen
- Complete test battery: PTA, Speech, HW auto threshold, ABLB
- Tone Decay, SISI, DLI, MLB, Stenger, Master Hearing Aid, TEN test, QuickSIN™ (optional); [only Plus model] Multi Frequency, High Frequency, Bekesy, MLD
- Internal flash memory for the speech material
- Built-in thermal printer (optional)
- Hybrid technology: can be operated through the PC

The “Plus VRA” version of the Piano audiometer forms the heart of a professional VRA system and can use as reinforce either traditional cabinet toys or videos and images on one or more displays.

- Fully featured clinical audiometer
- Visual Reinforcement Audiology (VRA) and Conditioned Play Audiometry (CPA) additional tests available
- Reinforces activation directly controlled through the audiometer
- Up to three animated toys connected to the audiometer
- Up to three LCD displays showing animations and images for video-based visual reinforcement (requires a PC with the software Maestro)
- Complete sets of animations and pictures pre-installed, easily upgradable by the user

Check the video on [YouTube](#)
Audiometers
PC-iPad controlled

Piccolo
Portable audiometer

Piccolo is a basic diagnostic audiometer offering air, bone and speech audiometry functions. Piccolo can be controlled either from a computer running Windows or, for the first time ever, from an iPad®. A lightweight, compact design, powerful, user-friendly software, and Noah connectivity combine to make Piccolo the ideal choice for professionals on the move.

- Three different models available: Basic (AC only), Plus (AC/BC and Speech (AC/BC/Speech/QuickSIN™/MHA)
- iPad® control (requires Aero option) through the Maestro App.
- Wireless Bluetooth connection
- Fully computer controlled through the software Maestro.
- USB connection.
- Weighs less than 300 grams
- Power supply through the USB connection, when controlled with the computer
- Carrying case included

Try the Maestro app! It is available for free download on the App Store. You can use it even without a Piccolo.

Cello
Diagnostic audiometer

Cello is a PC- or iPad® controlled diagnostic audiometer, capable of performing fast and accurate air, bone and speech audiometry exams, as well as several additional tests including QuickSIN™, HF audiometry, and video-VRA. With its revolutionary design, complete feature set and top reliability, Cello is a little masterpiece, ideal for anyone unwilling to compromise on appearance and user experience.

- Pure tone and speech audiometry in AC, BC and FF
- Additional tests: HW auto threshold, SISI, Master Hearing Aid, High-frequency audiometry (optional), QuickSIN™ (optional)
- Video Visual Reinforcement Audiometry (VRA) option available
- iPad® control (requires Aero option) through the Maestro App.
- Wireless Bluetooth connection
- Fully computer controlled through the software Maestro.
- Wall-mounting option (VESA standard) and dedicated transducers support available
- Changeable magnetic cover
Flute is a diagnostic middle ear analyzer, capable of performing incredibly fast and reliable automatic sequences of tympanometry and reflex threshold tests, as well as manual reflex and reflex decay tests, ETF for intact and perforated eardrums, high frequency tympanometry. Great versatility, a user-friendly interface, advanced features and small size make Flute the ideal choice for a wide range of users, from audiologists to clinics and hospitals.

Three versions available: Basic, HF, and Plus
- Automatic and manual tympanometry
- Manual and automatic Ipsi/Contra reflex test
- Reflex decay
- Eustachian Tube Function intact / perforated eardrum
- Tympanometry with 1000 Hz probe tone
- Two user programmable auto test sequences
- Color graphical display
- Built-in thermal printer (optional)

Check the video on [Flute Diagnostic Middle Ear Analyzer](https://www.youtube.com/watch?v=dQw4w9WgXcQ)

Clarinet is a clinical middle ear analyzer, featured with all the tests needed for a deep and accurate investigation of middle ear disorders. Automatic and manual tympanometry, acoustic reflex threshold, decay and latency examinations, ETF for intact and perforated eardrums, high frequency and multi-component tympanometry are all available and full results can be observed on a wide color touch screen display.

- Manual and automatic tympanometry
- Multi-frequency probe tones (Plus only)
- Multi-component measurements (Plus only)
- Manual and automatic acoustic reflex test
- Acoustic reflex decay
- Acoustic reflex latency
- Eustachian Tube Function test for intact and perforated eardrums
- Two user programmable auto test sequences
- High resolution color display with touch screen
- Built-in thermal printer (optional)

Timpani is a handheld tympanometer offering automatic tympanometry and ipsilateral acoustic reflex test, as well as screening pure tone audiometry. The speed of the pressure pump system, combined with the capacitive touchscreen display that grants an unprecedented intuitive interface, allow Timpani to complete fast and accurate exams of the patient’s middle ear functions. Dedicated output for headphones and patient response switch also make Timpani the only handheld combined unit capable of performing impedance and audiometry examinations.

- Automatic tympanometry
- Ipsi/Contra reflex test (optional)
- Pure tone audiometry in AC (optional)
- Portable and lightweight
- Capacitive touch screen display
- Docking station to speedup download of data (optional)
- Bluetooth thermal printer (optional)

Viola is a combo unit that integrates a diagnostic middle ear analyzer offering ultrafast and reliable tympanometry and reflex tests with a diagnostic audiometer capable of performing threshold and speech examinations in AC and BC. Small footprint, complete features set, great reliability and ease of use make Viola the perfect choice for professionals on the move and for installations where space is at a premium.

- Two versions available: Basic and Plus
- Pure tone audiometry in AC and BC
- Speech audiometry and QuickSIN™ (Plus version)
- Automatic tympanometry
- Ipsi/Contra acoustic reflex test
- Acoustic reflex decay (Plus version)
- Built-in thermal printer (optional)
Delfino is our award winning wireless video otoscope. Its small and ergonomic handpiece allows the operator to see, capture and store top quality images of the ear canal on a traditional display or on the computer screen. Maximum patient and operator comfort are guaranteed by wireless functionality. Crisp and clear images, ease of use, a small footprint, ergonomic design and Noah connectivity combine to make Delfino the perfect choice for hearing aid dispensing centres, ENT specialists and audiologists.

- Digital (USB) video output
- Embedded tip heater to prevent the fogging
- Compatible with standard Heine speculum
- Rechargeable Li-Ion battery
- Dedicated specula for cerumen management

Check the video on [YouTube](https://www.youtube.com)

Trumpet is an advanced and easy-to-use Real Ear Measurement system, capable of performing quick and accurate in-situ measures thanks to its small and lightweight probes and its built-in amplified speaker. Not only, Trumpet combines also a diagnostic audiometer for carrying out air, bone and speech audiometric exams.

Controlled directly from your computer, Trumpet offers a complete but simple and intuitive software interface, which makes it a compact and portable system with no compromises.

- Standard measures (REUG/R; REAG/R; REIG; REOG/R)
- NAL, DSL v5 fitting target protocols
- Speech mapping
- Live mode for counseling purposes
- "Advanced" mode for deeper investigations
- (optional) Pure-tone and speech audiometry in AC, BC and FF
- QuickSIN™ (optional) and Master Hearing Aid
- Built-in speaker for REM and audiometry
- Wall-mounting option and dedicated transducers support available

Check the video on [YouTube](https://www.youtube.com)

Drum is a hearing instrument test box (HIT) capable of an impressive ambient sounds attenuation, and featured with all the standard tests for evaluating performances of air conduction hearing aids. Directly controllable from the Maestro software, Noah compatible and equipped with all couplers and adapters for any type of hearing aids, Drum is the perfect solution for those most demanding users who are not willing to compromise on user friendliness of their instrument.

- High attenuation of ambient sounds
- Standard tests according to EN-60118, ANSI S3.22
- Battery adapters
- Built-in telecoil
- Fully computer controlled through Maestro
- Noah compatible
- User customizable test sequences
- RECD available if combined with Trumpet REM

Check the video on [YouTube](https://www.youtube.com)
As an orchestra has its conductor, so Maestro is the core of your Inventis instruments set-up, allowing you to easily manage the patient data and fully interact with your audiology equipment, bringing your daily practice to a new level of technology.

Run, review and combine exams. Create, check and print reports. These are just few of the operations that can be straightforwardly administered through Maestro, while just interacting with your computer.

### PATIENT DATA MANAGEMENT
- Stand-alone archiving functions
- Noah compatibility
- Highly customizable report engine

### AUDIOMETRY & IMPEDANCE
- Complete management of PC-based devices
- Live view mode on bigger screen

### FITTING
- Easy and customizable workflow
- Intuitive interface
- Graphical assisted fitting

### VIDEO-Otoscopy
- Image grabbing and video recording
- Side-by-side view
- Compatible with Delfino and MediCam Video Otoscope
<table>
<thead>
<tr>
<th>Type of device</th>
<th>Bell Basic</th>
<th>Bell Plus</th>
<th>Harp Basic</th>
<th>Harp Plus</th>
<th>Piano Basic</th>
<th>Piano Plus</th>
<th>Piano Plus VRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Hybrid audiometer</td>
<td>Hybrid audiometer</td>
<td>Hybrid audiometer</td>
<td>Hybrid audiometer</td>
<td>Hybrid audiometer</td>
<td>Hybrid audiometer</td>
<td>Hybrid audiometer</td>
</tr>
<tr>
<td>Type</td>
<td>EN 60645, ANSI S3.6</td>
<td>EN 60645, ANSI S3.6</td>
<td>EN 60645, ANSI S3.6</td>
<td>EN 60645, ANSI S3.6</td>
<td>EN 60645, ANSI S3.6</td>
<td>EN 60645, ANSI S3.6</td>
<td>EN 60645, ANSI S3.6</td>
</tr>
<tr>
<td>Masking</td>
<td>NBN</td>
<td>NBN, WN</td>
<td>NBN, WN, SN</td>
<td>NBN, WN, SN</td>
<td>NBN, WN, SN</td>
<td>NBN, WN, SN</td>
<td>NBN, WN, SN</td>
</tr>
<tr>
<td>Insert masking earphone</td>
<td>No</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Warble tone</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pulsed tone</td>
<td>0.5Hz, 1Hz, 2 Hz</td>
<td>0.5Hz, 1Hz, 2 Hz</td>
<td>0.5Hz, 1Hz, 2 Hz</td>
<td>0.5Hz, 1Hz, 2 Hz, selectable</td>
<td>0.5Hz, 1Hz, 2 Hz, selectable</td>
<td>0.5Hz, 1Hz, 2 Hz, selectable</td>
<td>0.5Hz, 1Hz, 2 Hz, selectable</td>
</tr>
<tr>
<td>Frequency range</td>
<td>125 - 8,000 Hz</td>
<td>125 - 8,000 Hz</td>
<td>125 - 8,000 Hz</td>
<td>125 - 8,000 Hz</td>
<td>125 - 8,000 Hz</td>
<td>125 - 8,000 Hz</td>
<td>125 - 8,000 Hz</td>
</tr>
<tr>
<td>Maximum output intensities</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>-10 to 120 dB HL</td>
<td>-10 to 120 dB HL</td>
<td>-10 to 120 dB HL</td>
<td>-10 to 120 dB HL</td>
<td>-10 to 120 dB HL</td>
<td>-10 to 120 dB HL</td>
<td>-10 to 120 dB HL</td>
</tr>
<tr>
<td>BC</td>
<td>-10 to 80 dB HL</td>
<td>-10 to 80 dB HL</td>
<td>-10 to 80 dB HL</td>
<td>-10 to 80 dB HL</td>
<td>-10 to 80 dB HL</td>
<td>-10 to 80 dB HL</td>
<td>-10 to 80 dB HL</td>
</tr>
<tr>
<td>AC HF</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Attenuator step</td>
<td>5 dB</td>
<td>5 dB</td>
<td>1 - 5 dB</td>
<td>1 - 5 dB</td>
<td>1 - 5 dB</td>
<td>1 - 5 dB</td>
<td>1 - 5 dB</td>
</tr>
<tr>
<td>FF output (external amp. required)</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Support of insert earphones (ER-3 and ER-5)</td>
<td>Separated calib. table</td>
<td>Separated calib. table</td>
<td>Dedicated output / separated calib. table</td>
<td>Dedicated output / separated calib. table</td>
<td>Dedicated output / separated calib. table</td>
<td>Dedicated output / separated calib. table</td>
<td>Dedicated output / separated calib. table</td>
</tr>
<tr>
<td>Speech audiometry</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Speech material on the internal flash memory</td>
<td>-</td>
<td>-</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Speech inputs</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Automatie audiometry</td>
<td>HW auto threshold</td>
<td>HW auto threshold</td>
<td>HW auto threshold</td>
<td>HW auto threshold</td>
<td>HW auto threshold</td>
<td>HW auto threshold</td>
<td>HW auto threshold</td>
</tr>
<tr>
<td>Special tests</td>
<td>-</td>
<td>-</td>
<td>ABLB, SSIG, Stenger, Tone Decay, DLI, Master Hearing Aid</td>
<td>ABLB, Tone Decay, SSIG, DLI, MLB, Stenger, Master Hearing Aid</td>
<td>ABLB, Tone Decay, SSIG, DLI, MLB, Stenger, Master Hearing Aid</td>
<td>ABLB, Tone Decay, SSIG, DLI, MLB, Stenger, Master Hearing Aid</td>
<td>ABLB, Tone Decay, SSIG, DLI, MLB, Stenger, Master Hearing Aid</td>
</tr>
<tr>
<td>Pediatric tests</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Control of reinforcers</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Talk over</td>
<td>Internal or external microphone</td>
<td>Internal or external microphone</td>
<td>Internal or external microphone</td>
<td>Internal or external microphone</td>
<td>Internal or external microphone</td>
<td>Internal or external microphone</td>
<td>Internal or external microphone</td>
</tr>
<tr>
<td>Talk back</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Monitor</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Display type</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
</tr>
<tr>
<td>Display size / resolution</td>
<td>4.3&quot;, 480 x 272</td>
<td>4.3&quot;, 480 x 272</td>
<td>4.3&quot;, 480 x 272</td>
<td>4.3&quot;, 480 x 272</td>
<td>4.3&quot;, 480 x 272</td>
<td>4.3&quot;, 480 x 272</td>
<td>4.3&quot;, 480 x 272</td>
</tr>
<tr>
<td>Internal memory</td>
<td>100 patients</td>
<td>100 patients</td>
<td>100 patients (only PTA)</td>
<td>100 patients (only PTA)</td>
<td>100 patients (only PTA)</td>
<td>100 patients (only PTA)</td>
<td>100 patients (only PTA)</td>
</tr>
<tr>
<td>Thermal printer</td>
<td>No</td>
<td>No</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
</tr>
<tr>
<td>PC interface</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
</tr>
<tr>
<td>Hybrid Technology</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Software interface</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
</tr>
<tr>
<td>Noah compatibility</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Dimensions</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 15 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.8 Kg / 4.0 lbs</td>
<td>1.8 Kg / 4.0 lbs</td>
<td>1.8 Kg / 4.0 lbs</td>
<td>1.8 Kg / 4.0 lbs</td>
<td>2 Kg / 4.4 lbs</td>
<td>2 Kg / 4.4 lbs</td>
<td>2 Kg / 4.4 lbs</td>
</tr>
<tr>
<td>Feature</td>
<td>Timpani</td>
<td>Flute Basic</td>
<td>Flute HF</td>
<td>Flute Plus</td>
<td>Clarinet Basic</td>
<td>Clarinet Plus</td>
<td>Viola Basic</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------</td>
<td>------------</td>
<td>---------</td>
<td>-----------</td>
<td>----------------</td>
<td>---------------</td>
<td>------------</td>
</tr>
<tr>
<td><strong>Available tests</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic tympanometry</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Manual tympanometry</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Automatic acoustic reflex test</td>
<td>Optional</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Manual acoustic reflex test</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Acoustic reflex latency</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Eustachian Tube Function test</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pure tone audiometry</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>QuickSIN®</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Pressure change rate</strong></td>
<td>400 daPa/sec</td>
<td>50, 100, 200, 300 daPa/sec</td>
<td>50, 100, 200, 300 daPa/sec</td>
<td>50, 100, 200, 300 daPa/sec</td>
<td>50, 100, 200, 300 daPa/sec</td>
<td>50, 100, 200, 300 daPa/sec</td>
<td>50, 100, 200, 300 daPa/sec</td>
</tr>
<tr>
<td><strong>Manual pump control</strong></td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>Acoustic reflex stimuli</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pure tone frequencies</td>
<td>0.5, 1, 2, 4 kHz</td>
<td>0.25(C), 0.5, 1, 2, 4 kHz</td>
<td>0.25(C), 0.5, 1, 2, 4 kHz</td>
<td>0.25(C), 0.5, 1, 2, 4 kHz</td>
<td>0.25(C), 0.5, 1, 2, 4 kHz</td>
<td>0.25(C), 0.5, 1, 2, 4 kHz</td>
<td>0.25(C), 0.5, 1, 2, 4 kHz</td>
</tr>
<tr>
<td>Maximum intensity</td>
<td>110 dB HL</td>
<td>110 dB HL</td>
<td>110 dB HL</td>
<td>110 dB HL</td>
<td>110 dB HL</td>
<td>110 dB HL</td>
<td>110 dB HL</td>
</tr>
<tr>
<td><strong>Acoustic reflex stim. duration</strong></td>
<td>1 sec</td>
<td>Selectable (0.5 - 2.5 sec)</td>
<td>Selectable (0.5 - 2.5 sec)</td>
<td>Selectable (0.5 - 2.5 sec)</td>
<td>Selectable (0.5 - 2.5 sec)</td>
<td>Selectable (0.5 - 2.5 sec)</td>
<td>Selectable (0.5 - 2.5 sec)</td>
</tr>
<tr>
<td><strong>Audimeter specifications</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outputs</td>
<td>AC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Inputs</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>PTA, pure tone</td>
<td>PTA, pure tone</td>
<td>PTA, pure tone</td>
</tr>
<tr>
<td><strong>Display type</strong></td>
<td>Color graphical touchscreen</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
<td>Color graphical</td>
</tr>
<tr>
<td><strong>Display size / resolution</strong></td>
<td>2&quot; x 3&quot;</td>
<td>2&quot; x 3&quot;</td>
<td>2&quot; x 3&quot;</td>
<td>2&quot; x 3&quot;</td>
<td>2&quot; x 3&quot;</td>
<td>2&quot; x 3&quot;</td>
<td>2&quot; x 3&quot;</td>
</tr>
<tr>
<td><strong>Thermal printer</strong></td>
<td>Optional (Bluetooth)</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
<td>Optional (Built-in)</td>
</tr>
<tr>
<td><strong>PC interface</strong></td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
<td>USB (driverless)</td>
</tr>
<tr>
<td><strong>Software interface</strong></td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
<td>Maestro (included)</td>
</tr>
<tr>
<td><strong>Noah compatibility</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>65 x 44 x 240 mm</td>
<td>2.6 x 1.8 x 9.5 in</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
<td>32 x 32 x 9 cm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>3.4 kg / 7.5 lbs</td>
<td>2.0 kg / 4.4 lbs</td>
<td>2.0 kg / 4.4 lbs</td>
<td>2.0 kg / 4.4 lbs</td>
<td>2.0 kg / 4.4 lbs</td>
<td>2.0 kg / 4.4 lbs</td>
<td>2.0 kg / 4.4 lbs</td>
</tr>
</tbody>
</table>
## Trumpet

**Type of device**
- REM system and PC controlled audiometer

**Real Ear Measurement system**
- Real Measurement standard: IEC 61669, ANSI S3.46
- Applicable standards: EN 60118-0, EN 6011-7, ANSI S3.22

**Stimuli (REM)**
- White noise, Pink noise, ICRA, ISTS, Real Speech, mixed environment sounds

**Available tests (stand. mode)**
- OSPL90, Full On Gain, I/O, Attack/Release, RTG, Frequency response, Equivalent Input Noise, THD, Battery Drain, Telescopic

**Frequency range**
- 125 Hz – 12 kHz

**Intensity range**
- 50 – 90 dB SPL

**Available tests (custom mode)**
- Sweep & Broadband freq. measure, THD, Battery drain, Input/Output, Attack/Release

**Frequency resolution**
- 1/3, 1/6, 1/12, 1/24 octave

**Stimulation intensity range**
- 40 - 100 dB SPL

**Audiometer**
- Coupler measurement range: 40 - 145 dB

**Type EN 60645-1, ANSI S3.6 2 A**
- Output: AC, BC, Speech
- Masking: NBN
- Insert masking earphone: No
- Warble tone: Yes
- Pulsed tone: 0.5Hz, 1Hz, 2 Hz
- Frequency range: 125 - 8000 Hz
- Maximum output intensities:
  - AC: -10 to 120 dB HL
  - BC: -10 to 120 dB HL
  - AC HF: -20 to 90 dB HL
  - Attenuator step: 1, 3, 5 dB
  - FF output (external ampl. req.): No
  - Support of (insert earphones [ER-3A and ER-5A]): Separated calib. table
  - Automatic audiometry: HW auto threshold
  - Speech audiometry: No
  - Speech inputs: EXT1, EXT2, USB, Mic
  - Special tests: Master Hearing Aid, QuickSIN™ (optional)
  - Pediatric tests: No
  - Talk over: External microphone
  - Talk back: No
  - Monitor: No
  - Connection to PC: USB (driverless)
  - Controlling software: Maestro (included)
  - Noah compatibility: Yes
  - Connection to iPad®:
    - Bluetooth 4 - Requires Piccolo with Aero option
    - Controlling app: Maestro (available on the App Store)
    - Dimensions: 15.5 x 10 x 24.5 cm / 6.1 x 3.9 x 9.7 in
    - Weight: 1.5 kg / 3.5 lbs

**Controling software**
- Maestro (included)

**Noah compatibility**
- Yes

**Dimensions (WxDxH)**
- 15.5 x 10 x 24.5 cm / 6.1 x 3.9 x 9.7 in

**Weight**
- 1.5 kg / 3.5 lbs

**Drum**

**Type of device**
- Hearing Instrument Test (HT) box

**Real Measurement system**
- Stimuli (REM): White noise, Pink noise, ICRA, ISTS, Real Speech, mixed environment sounds

**Frequency range**
- 125 Hz – 12 kHz

**Intensity range**
- 50 – 90 dB SPL

**Available tests**
- RECD Yes (if combined with Trumpet REM)

**Audiometer**
- Type EN 60645-1, ANSI S3.6
- Output: AC, BC, Speech
- Masking: NBN
- Insert masking earphone: No
- Warble tone: Yes
- Pulsed tone: 0.5Hz, 1Hz, 2 Hz
- Frequency range: 125 - 8000 Hz
- Maximum output intensities:
  - AC: -10 to 120 dB HL
  - BC: -10 to 120 dB HL
  - AC HF: -20 to 90 dB HL
  - Attenuator step: 1, 3, 5 dB
  - FF output (external ampl. req.): No
  - Support of (insert earphones [ER-3A and ER-5A]): Separated calib. table
  - Automatic audiometry: HW auto threshold
  - Speech audiometry: No
  - Speech inputs: EXT1, EXT2, USB, Mic
  - Special tests: Master Hearing Aid, QuickSIN™ (optional)
  - Pediatric tests: No
  - Talk over: External microphone
  - Talk back: No
  - Monitor: No
  - Connection to PC: USB (driverless)
  - Controlling software: Maestro (included)
  - Noah compatibility: Yes
  - Connection to iPad®:
    - Bluetooth 4 - Requires Piccolo with Aero option
    - Controlling app: Maestro (available on the App Store)
    - Dimensions: 16 x 16 x 3 cm / 6.3 x 6.3 x 1.2 in
    - Weight: 300 g / 10.6 oz.

**Controling software**
- Maestro (included)

**Noah compatibility**
- Yes

**Dimensions (WxDxH)**
- 16 x 16 x 3.2 cm / 6.3 x 6.3 x 1.2 in

**Weight**
- 300 g / 10.6 oz.