



## Frequently Asked Questions: Portable Audiometers (MA 39, MA 40, MA 41, MA 42)

### **Q: What is unique about the MA 39 portable audiometer?**

**A:** The MA 39 is designed to perform simple, rapid and reliable air conduction hearing tests. As a screening audiometer, its application ranges from school testing, Head Start programs and pediatric screenings to pre-employment examinations and annual exams for hearing conservation programs.

### **Q: What tests does the MA 39 perform?**

**A:** It provides all of the pure tone frequencies and full dynamic range specified by the American National Standards Institute S3.6 1996.

The MA 39 intensity levels range from -10 dB<sub>HL</sub> to 110 dB<sub>HL</sub>. All the input/output switching and routing is performed electronically and can be viewed on a large LED screen.

### **Q: What is unique about the MA 40 portable audiometer?**

**A:** The MA 40 is a one-and-a-half channel audiometer that performs air and bone conduction screening. The added depth of bone conduction takes it one level above the MA 39.

### **Q: What tests does the MA 40 perform?**

**A:** Built-in test signals include pure tone, pulse tone, warble tone and narrow band noise. The outputs have separate jacks for TDH 39s, optional insert phones and bone conduction.

The MA 40 offers air conduction frequencies from 125 Hz to 8 kHz, with intensity levels from -10 dB<sub>HL</sub> to 110 dB<sub>HL</sub>. Bone conduction test frequencies are 250 Hz to 6 kHz with intensity levels of -10 dB<sub>HL</sub> to 70 dB<sub>HL</sub>.

### **Q: What is unique about the MA 41 portable audiometer?**

**A:** The MA 41 is a one-and-a-half channel audiometer, offering air, bone, speech and free field audiometric testing. The added depth of speech and free field capabilities take it another level above the MA 40.

### **Q: What tests does the MA 41 perform?**

**A:** Built-in test signals include pure tone, pulse tone, warble tone, narrow band and broad band noise. Inputs include ports for live speech and CD/tape speech test material; outputs have separate jacks for TDH 39s, optional insert phones, optional free field speakers and bone conduction.

The MA 41 offers air conduction frequencies from 125 Hz to 8 kHz, with intensity levels from -10 dB<sub>HL</sub> to 110 dB<sub>HL</sub>. Bone conduction test frequencies are 250 Hz to 6 kHz with intensity levels of -10 dB<sub>HL</sub> to 70 dB<sub>HL</sub>. Sound field measurements are possible using the built-in amplifier and optional speakers.

### **Q: What is unique about the MA 42 portable audiometer?**

**A:** The MA 42 is a two-channel audiometer with master hearing aid as well as air, bone, speech and free field audiometric testing. The master hearing aid feature is a tool whereby the operator may simulate several common frequency responses. While adjusting the dB level in each ear, the operator can grossly simulate the sound characteristics of some hearing aids so that patients can benefit from actually experiencing the difference a hearing aid can make in their hearing.

### **Q: What tests does the MA 42 perform?**

**A:** It performs tests using TDH 39 headphones, a B-71 bone conduction receiver, optional insert phones or optional loudspeakers. Built-in test signals include pure tone, pulse tone, warble tone, narrow band and broad band noise. Inputs include ports for live speech and CD/tape speech test material; outputs have separate jacks for TDH 39s, optional insert phones, optional free field speakers, and bone conduction. The MA 42 offers air conduction frequencies from 125 Hz to 8 kHz, with intensity levels from -10 dB<sub>HL</sub> to 110 dB<sub>HL</sub>. Bone conduction test frequencies are 250 Hz to 6 kHz with intensity levels of -10 dB<sub>HL</sub> to 70 dB<sub>HL</sub>. Sound field measurements are possible using the built-in amplifier and optional speakers.



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**Q: Can any of the audiometers be connected to a sound room?**

**A:** Each of the portable audiometers can be connected to a sound room. Instructions are included in the operation manuals.

**Q: Are any of the audiometers NOAH-compatible?**

**A:** The MA 41 and MA 42 are NOAH compatible and come with a NOAH audiometer module diskette as a standard accessory. Instructions for using NOAH with your Maico equipment and PC are included in the operation manual.

**Q: Can I print the test results?**

**A:** You can use the audiogram pad that comes with each audiometer to record the test results or transfer test results to a PC through the built-in RS 232 interface.

**Q: Do the audiometers run on AC or batteries?**

**A:** All of the Maico portable audiometers use AC and are designed to be used with hospital-grade outlets.

**Q: What type of carrying case is available?**

**A:** The standard is a soft case with shoulder strap that is remarkably lightweight and has room for all the accessories. A hard case is also available and can be substituted for the soft case. It provides ample storage for accessories and is built tough to withstand the bumps and knocks of daily use.

**Q: How big is the audiometer?**

**A:** The audiometer is about 9.9 pounds. Depending on the carrying case, the total weight can be about 11.5 pounds or 14.5 pounds. The dimensions of the unit in the case is about 16" x 12" x 6" (L x W x D).

**Q: How is the audiometer calibrated?**

**A:** Each audiometer should be calibrated by a Special Instrument Dealer on an annual basis. Calibration is performed via the front panel and thus simplifies annual service calibrations.

**Q: Is there a warranty?**

**A:** Yes. The warranty is extended to the original purchaser of the unit for a period of one year from the date of delivery.