INSTALLATION MANUAL





Clinical Audiometer



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Getting To Know Your AVANT Stealth Audiometer

The AVANT Stealth+ represents a new era of ultra-compact clinical audiometry for your office. Compact yet rugged, this PC-Based system is USB powered and supports ANSI and IEC audiometric tests, including high frequency testing*. This Installation Manual and the Training Manual are supplied with your device in pdf format on a CD. Software to view the pdf files is included on the CD for your convenience.

Intended Use Statement: The MedRx Avant series of audiometers are electronic instruments intended to diagnose hearing loss in adults and children. Audiograms are created and used to set the correct gain levels of the hearing aid for various frequencies. These devices should be operated by trained professionals with education and/or training in the field of audiometry.

Indication for Use Statement: This device is an audiometer. For use by professionals with education and/or training in the field of audiometry to conduct diagnostic hearing evaluations, evaluate basic hearing function and aid in the diagnosis of otologic disorders in adults and children.

This audiometer conforms to the requirements of ANSI S3.6-2010 and IEC 60645-1, IEC 60645-2 and IEC 60645-4 as Type 1HF AE.

The following section of this manual will familiarize you with the physical features and accessories of the system.



Top View
Type 1 HFAE Audiometer



Bottom View

The Red & Blue adapters are included and must be removed to attach FF speaker wires and then reinstalled as shown above. Refer to page 5 for additional instructions

* External Power is required to utilize the built-in 2x20 Watt Amplifiers and the Optional High Frequency Feature. (See safety page for power supply specification).

Transducers and Accessories



IP30 Insert Earphones Standard



TDH-39 or DD45 Earphones



HDA 200 (Optional)* High Frequency



3A Insert Earphones Optional



Operator Mic and Monitor (may vary)



Speakers Optional



Bone Conductor



Power Supply



USB Cable



Patient Response Switch



Talkback Microphone

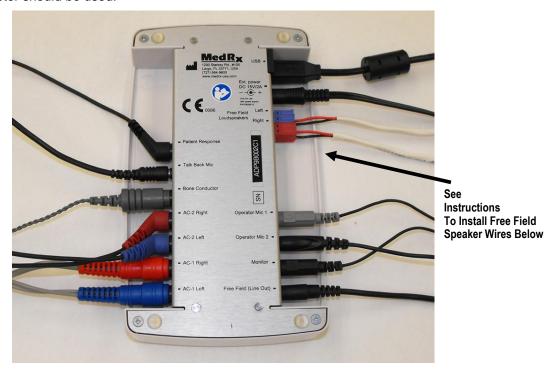
NOTE: The Avant Stealth Audiometer supports IP30 Insert earphones, 3A Insert earphones, TDH-39 or DD45 earphones and HDA 200 extended high frequency earphones. The standard configuration includes either IP30 Insert Earphones or TDH-39 or DD45 earphones.

* HDA 200 earphones must be ordered with the High Frequency Option Upgrade.

A unique feature of the AVANT Stealth+ is the light panel on top of the device which indicates which ear is selected in the software. When the unit is powered up and no ear is selected, the light shines green. During testing, the light shines blue when the left ear is selected and red when the right is selected as shown below. (Per IEC 60645-1 section 12)

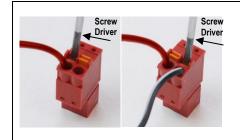
The AVANT Stealth may be located inside or outside of a sound booth.

Refer to the Certificate of Calibration for transducer characteristics and the date of the next required transducer calibration. Only transducers supplied by MedRx and specifically calibrated for each AVANT Stealth Audiometer should be used.



There are two sets of air conduction transducer connections, AC-1 and AC-2 and two Operator Microphone connections 1 and 2.

- * High frequency transducers, such as HDA 200, can be plugged to either AC-1 or AC-2 output.
- * Either amplified or non-amplified speakers can be used. Amplified speakers are connected to the Free Field (Line-Out) output. Non-amplified speakers are connected to the Free Field Loudspeaker outputs.



To Install Free Field Speaker Wires:

Unplug both the Red & Blue connectors. (see above)

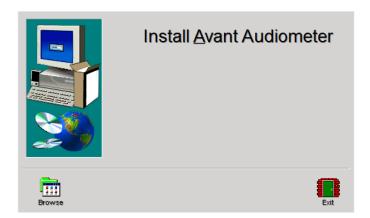
Place a small flat head screw driver on the small orange tabs and push down while inserting a wire into the opening then remove the screw driver. Be sure the wire is secure.

Repeat until all the speaker wires are secured, then plug both connectors into the device as indicated above.

Make sure that the correct transducers are set in the software by right-clicking any transducer button on the Audiometry screen and left-clicking to change the transducer.

*External power is required for non-amplified speakers and high frequency audiometry.

Software Installation



 Insert the AVANT [™] Audiometer CD-ROM into the CD drive. Wait until the **Setup program starts**.

If Setup does not start automatically, press Win+R on the keyboard, in the box type D:\setup.exe (where D is the letter of your CD-ROM drive), and press Enter.

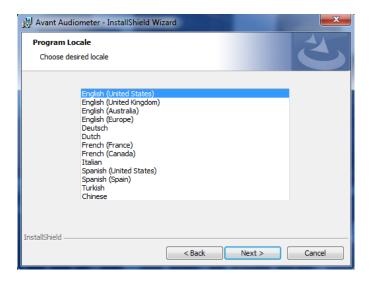
2. On the Setup screen, choose **Install Avant Audiometer Software**.



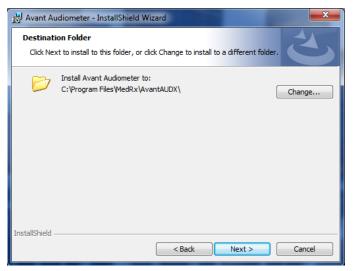
- 3. This is the Welcome screen.
 - To continue, click Next.



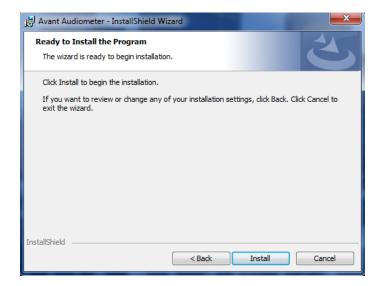
- Read the Software License Agreement.
 This important document defines the acceptable usage of the AVANT Stealth Audiometer.
 - After reading the Agreement, select "I accept..." and click Next.



- 5. This screen indicates the software language of the program. Choose the appropriate language option.
 - To continue with the default settings, click Next.



- This screen indicates the location of the program files. The default location is recommended for most users. If necessary, this location can be changed.
 - To continue with the default settings, click Next.
 - To change the location of the files (advanced users or system administrators only) click
 Change.



- 7. This screen summarizes the installation configuration.
 - To continue, click Install.
 - To make changes, click Back.



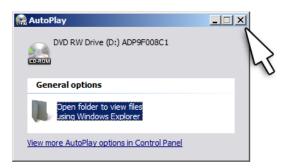
8. When the installation is complete, click **Finish.**

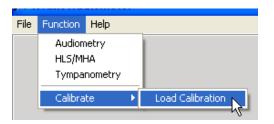
The Installation is finished.

Drivers are not required with the Stealth.

Loading the Calibration











Each Avant Stealth Audiometer is calibrated in compliance with the ANSI S3.6 standard. This calibration procedure results in accessing a series of files that the software reads to keep the hardware in calibration. These files are supplied on a CD bearing the same serial number as your device.

The final step before using your Avant to evaluate hearing is to load these device-specific calibration files onto the computer used to control the device.

- Depending on your computer settings you may see this screen
 - Click the X to close out of this window.
- 2. With the Calibration CD in the drive, open the Avant software and click:
 - Function
 - Calibrate
 - Load Calibration
- 3. After a few seconds, the CD will "spin up" and this message will appear.
 - Click Load.
- 4. When the files are finished being loaded, this message will appear.
 - Click **OK** to complete loading the calibration.

EMC Precautions

The Avant Stealth Audiometer needs special precautions regarding EMC and needs to be installed and put into service according to the following EMC information.

List of all cables and maximum lengths of cables from transducers and accessories:

Transducer / Accessories	Maximum Cable length
Power Cord	2,0 meters
USB Cable	2,0 meters
All Transducers	2,0 meters
Monitor Headset	2,0 meters
Patient Microphone	2,0 meters
Patient switch	2,0 meters

Warnings!

- The Avant Stealth Audiometer generates high frequency for its own use.
- The Avant Stealth Audiometer is intended to create a medical system.
- The use of accessories, transducers and cables other than those specified, with the exception of transducers
 and cables sold by the manufacturer of the Avant Stealth Audiometer as replacement parts for internal
 components, may result in increased emissions or decreased immunity of the Avant Stealth Audiometer.
- The Avant Stealth Audiometer should not be used adjacent to or stacked with other equipment and if adjacent
 or stacked use is necessary, the Avant Stealth Audiometer should be observed to verify normal operation in
 the configuration in which it will be used.
- The Avant Stealth Audiometer may be interfered with by other equipment, even if that other equipment complies with CISPR emission requirements.
- The Avant Stealth Audiometer does not have life supporting function.
- Portable and mobile RF communications equipment can affect the Avant Stealth Audiometer.

Guidance and manufacturer's declaration – electromagnetic emissions			
The Avant Stealth Audiometer is intended for use in electromagnetic environment specific below. The customer or the user of the Avant Stealth Audiometer should assure that it is used in such an environment.			
Emission test Compliance Electromagnetic environment - guidance			
RF emissions CISPR 11	Group 1	The Avant Stealth Audiometer uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.	
RF emissions CISPR 11	Class B	The Avant Stealth Audiometer is suitable for use in all establishments, including domestic establishments and those directly connected to the public low - voltage power supply network that supplies buildings used for domestic purposes.	
Harmonic emissions IEC 61000-3-2	Class 1.Not applicable		
Voltage fluctuations / flicker emissions IEC 61000-3-3	Passed		

Guidance and manufacturer's declaration - electromagnetic immunity

The Avant Stealth Audiometer is intended for use in electromagnetic environment specific below. The customer or the user of the Avant Stealth Audiometer should assure that it is used in such an environment.

/- 6 kV contact /- 8 kV air /- 2 kV for power supply nes /- 1 kV for input / output nes /- 1 kV ifferential mode /- 2 kV	+/- 6 kV contact +/- 8 kV air +/- 2 kV for power supply lines +/- 1 kV for input / output lines +/- 1 kV differential mode	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%. Mains power quality should be that of a typical commercial or hospital environment. Mains power quality should be
/- 2 kV for power supply nes /- 1 kV for input / output nes /- 1 kV ifferential mode	+/- 2 kV for power supply lines +/- 1 kV for input / output lines +/- 1 kV	covered with synthetic material, the relative humidity should be at least 30%. Mains power quality should be that of a typical commercial or hospital environment. Mains power quality should be
nes /- 1 kV for input / output nes /- 1 kV ifferential mode	lines +/- 1 kV for input / output lines +/- 1 kV	that of a typical commercial or hospital environment. Mains power quality should be
/- 1 kV for input / output nes /- 1 kV ifferential mode	+/- 1 kV for input / output lines +/- 1 kV	hospital environment. Mains power quality should be
ifferential mode	***	
	differential mode	
/- 2 kV		that of a typical commercial or hospital environment.
	+/- 2 kV	nospital environment.
ommon mode	common mode	
5 % U _T > 95 % dip in U _T) or ½ cycle	passed	Mains power quality should be that of a typical commercial or hospital environment. If the user of the Avant Stealth Audiometer requires continued operation
$0 \% U_T$ $60 \% dip in U_T) or 5 cycles$	passed	during power main interruptions, it is recommended that the Avant Stealth Audiometer be powered from an uninterruptible
$0~\%~U_T$ $30~\%~dip~in~U_T)$ or 25 cycles	passed	power supply or a battery.
$5 \% U_T$ > 95 % dip in U_T) for 5 s	passed criteria B	
A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
333	0.0% dip in U_T) or 5 cycles 0.0% U_T 0.0% dip in U_T) or 25 cycles 0.0% U_T 0.0% dip in U_T) or 25 cycles 0.0% U_T 0.0% dip in U_T) for 5 s	$\begin{array}{lll} \text{passed} \\ \text{passed}$

Guidance and manufacturer's declaration - electromagnetic immunity

The Avant Stealth Audiometer is intended for use in electromagnetic environment specific below. The customer or the user of the Avant Stealth Audiometer should assure that it is used in such an environment.

Immunity test	IEC 60601- test level	Compliance level	Electromagnetic environment - guidance
			Portable and mobile RF communications equipment should be used no closer to any part of the Avant Stealth Audiometer, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance:
			Recommended separation distance.
Conducted RF			
	3 V _{eff}	3 V _{eff}	\[\sqrt{p}
IEC 61000-4-6			$d = 1,17 \times \sqrt{P}$

Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	d = 1,17 $ imes \sqrt{P}$ 80 to 800 MHz
			d = 2,33 $ imes \sqrt{P}$ 800 MHz to 2,5 GHz
			where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ^a , should be less than the
			compliance level in each frequency range but Interference may occur in the vicinity of equipment marked with the following symbol:

NOTE 1 At 80 MHz and 800 MHz, the higher frequency ranges applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

- a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Avant Stealth Audiometer is used exceeds the applicable RF compliance level above, the Avant Stealth Audiometer should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the Avant Stealth Audiometer.
- b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Recommended separation distances between Portable and mobile RF communications equipment and the Avant Stealth Audiometer

The Avant Stealth Audiometer is intended to use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Avant Stealth Audiometer can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Avant Stealth Audiometer as recommended below, according to the maximum output power of the communications equipment.

Rated maximum	Separation distance according to frequency of transmittermeters		
output power of transmitter	150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2,5 GHz
W	$d = 1,17 \times \sqrt{P}$	$d = 1,17 \times \sqrt{P}$	$d=2,33\times\sqrt{P}$
0,01	0,12	0,12	0,233
0,1	0,37	0,37	0,74
1	1,17	1,17	2,33
10	3,7	3,7	7,40
100	11,7	11,7	23,3

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Safety

- Regarding electrical safety, this device is designed to be used only by professionals in the hearing healthcare industry.
- It is Class II Medical Electrical (ME) equipment that is part of an ME system. This device provides Type B protection

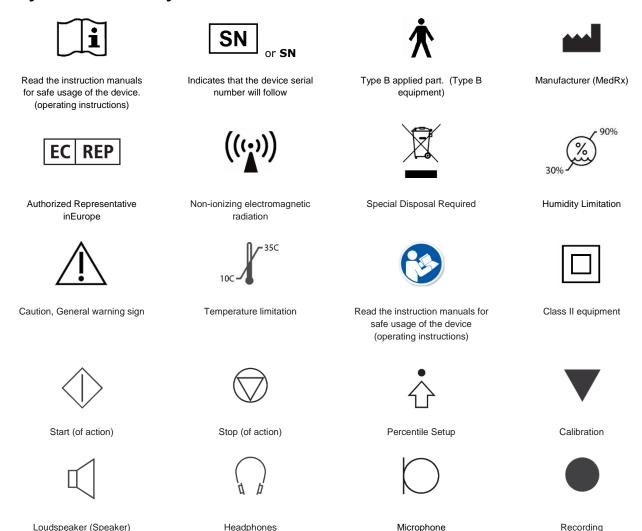


- This device is not protected from ingress of water. The water protection level is IP21.
- Power is supplied by an un-grounded mains power cable to a medical grade power supply and also supplied by the USB cable connected to a computer. The USB computer power must be able to supply at least 500mA at the standard USB voltage.
- Power is supplied by the USB cable connected to a computer.
- The computer, power supply and the speaker's power supply should be connected to the Medical Grade isolation transformer that conforms to IEC 60601-1. Follow the manufacturer's instructions for installation and use.
- The computer used with this device should conform to the requirements of IEC 60950-1 and IEC 60601-1-4.
- A MULTIPLE PORTABLE SOCKET-OUTLET or extension cord shall not be connected to the system.
- The device warm-up time is less than 5 minutes.
- Use only the 15 VDC, 2A medical power supply supplied with your Avant REM+: ETMA150200UD-P5P-IC.
- Do not connect items that are not specified as part of the system.
- The use environment should be between 10°C and 35°C 10C , humidity within

30% to 90% and an atmospheric pressure range from 80 kPa to 104 kPa.

- Storage temperature range at least from 0°C to 50°C.
- All components with patient contact are made of bio-compatible materials.
- This device does not produce any adverse physiological effects.
- Install the device as directed by this manual to achieve optimal use. Clean accessories per the cleaning instructions prior to use. No Sterilization is required for components of this device. However, new probe tubes and new foam inserts are needed for each patient where applicable. Cleaning of the device and accessories should follow the procedure outlined below.
- The device is not intended to be operated in an environment with anesthetics, oxygen or NO. It is not an AP or APG device. This ME System is not intended for use with flammable anesthetics.
- This device uses Type B application parts temporarily placed on the patient during testing. They are nonconductive and can be immediately withdrawn from the patient at any time.
- The device is intended for continuous operation.
- The computer and the MedRx device or accessories may be located in the patient environment if required.
- The colored lights are as designated by ANSI S 3.6 and IEC 60645-1, conforming to the standard color designations for audiology. They signify that either the left (blue) channel is active or the right (red) channel is active, or no channel is active (green). The colors do not signify any dangerous or faulty condition.
- Contact the local MedRx distributor for safe and proper disposal of this equipment. Proper disposal may require that it be sent to collection facilities for recovery and recycling.
- All repairs should be sent to MedRx for evaluation and / or repair. However, necessary diagrams and repair instruction will upon request be provided to authorized repair personnel.
- There are no known contraindications for the use of this equipment.
- The Instructions for Use (the Installation and Software Training manuals) are supplied as an electronic copy on a CD. Paper copies of the manuals may be also requested from the company, and will be sent within one business day of the request.
- Refer to the Training manual and Help files for test options and descriptions.
- Mains power 100 240 VAC 50/60 Hz. The operator should periodically inspect the power supply and cables for any signs of wear or damage. Contact MedRx for replacement parts.
- The power supply cable should always be accessible in order to disconnect it from the supply mains.
- All repairs should be sent to MedRx for evaluation and / or repair.

Symbols that may be used:



Recommended Procedures for Cleaning and Disinfection

- 1. Foam ear tips and Probe Tubes are single use components, and should not be re-used by another patient.
- It is recommended that 70% Isopropyl Alcohol should be applied to a soft clean cloth or tissue, not directly on the component to be cleaned. The cloth should never be wet, just damp. A mild soapy water solution is an alternative cleaning liquid.
- To ensure that cross contamination does not occur, use clean cloth or sealed Alcohol swabs for each device to be cleaned.
- 4. Wipe the surfaces of the Operator headset and headphone pads with the 70% Isopropyl Alcohol. Clean other transducers in the same way. Do not let 70% Isopropyl Alcohol or water enter the microphone sound inlet.
- Wipe the surfaces of the probe microphone, black ear loop and headphone pads with the 70% Isopropyl Alcohol. Clean other transducers in the same way. Do not let 70% Isopropyl Alcohol or water enter the microphone sound inlet
- 6. The probe microphone cords and white device housing may also be wiped with 70% Isopropyl Alcohol. The speaker controls, headphone ear pads, head band and other components may be cleaned in a similar way.
- 7. The white device housing may also be wiped with 70% Isopropyl Alcohol. The speaker controls, headphone ear pads, head band and other components may be cleaned in a similar way.
- 8. Let all components that have been cleaned, thoroughly dry before use.
- 9. Cleaning of the computer should be performed using the methods suggested in the computer's manual.

Technical Information

The Avant ARC audiometer/REM combination is an active, diagnostic Class IIa medical Device according to the EU medical directive 93/42/EEC.

Standards:

IEC 60601-1 class II, protection class B

IEC 60645-1 -2

ANSI S3.6-2010 : Type 2 HF AE Medical Device Directive 93/42/EEC

Test-Frequencies:

125 Hz - 8000 Hz,

Level step: 5 dB or 1 dB level steps optional 125 Hz – 20K Hz (user selectable)

Maximum Sound Pressure Level:

AC with earphone: - 10 dBHL to 120 dBHL BC with bone conduction with B 71:

- 10 dBHL to 80 dBHL

Sound field speaker: - 10 dBHL ... 90 dBHL

Test Signal: Pure tone, pulse tone, warble tone

Masking Signals: Narrow band noise: 5/12 Octave filter with the same center frequency resolution as

pure Tone

White noise: 100 – 12.5K Hz Speech Noise: 125-6000Hz falling 12 dB/octave above 1 kHz (+/-5 dB)

Masking Signals: Tone Audiometry: Narrow Band Noise (Default), Speech Weighted Noise, White Noise. Speech Audiometry: Speech Weighted Noise (Default), White Noise, External Recorded (Opposite Channel).

Speech Signals: External input is through the computer (CD, memory card, Wave file) Operator Microphone

Modulation:

Pulse tone: 0.25/0.5 s on time

Warble tone: 5% sinus frequency modulation,

repetition rate 5 Hz

Patient Response: Handheld response switch

Monitor: Build in monitor speaker, headset

Communication: Talk forward and talk back

Data Connection: USB

Mode of Operation: Continuous

Warm up Time: Less than 5 min after USB

connection

Dimensions: W x D x H: Approx. 7.75" x 5" x

1.25" (+/- 0.125")

Weight: Less than 2 lbs.

Power Supply:

100 - 240 V~ 50/60 Hz ±10 % -

producing 15 VDC USB: 5 VDC

Power Consumption:

Less than 500 mA at 15 VDC / less than 500

mA at 5 VDC

Connection Sockets:	Specification
Power/Communication	USB: (5 VDC)
Power	15 VDC
Speaker left	ZA= 4Ω, UA= 8 Veff
Speaker right	ZA= 4 Ω, UA= 8 Veff
Pat patient response switch	RI= 500
Talk Back microphone	ZI= 1 k Ω, UI= 0.38 – 500 mVeff
Operator Microphone	ZI= 1 k Ω, UI= 0.38 – 500 mVeff
Operator Monitor headphone	ZA= 32Ω , UA= 3 Veff
Left Probe microphone (X2)	ZI= 1 k Ω, UI= 0.38 – 500 mVeff
Right Probe microphone (X2)	ZI= 1 k Ω, UI= 0.38 – 500 mVeff
Bone (bone conductor)	ZA= 10Ω, UA= 8 Veff
AC phone left	ZA= 10 Ω, UA=1 Veff
AC phone right	ZA= 10 Ω, UA=1 Veff
Patient (Client) headphone	ZA= 32Ω , UA= 3 Veff
Line Level Stereo Speaker Output	ZA= 32Ω , UA= 3 Veff

Calibration values and Max Levels: Headphone DD45 NBS-9A acoustic coupler Force 4-5 N, ANSI and IEC	Calibration values and Max Levels: Headphone TDH39 NBS-9A acoustic coupler Force 4-5 N, ANSI and IEC
DD45 RETSPL Values	RETSPL dB re
RETSPL dB re	20μPa
20μPa	125=45.0
125=47.5	250=25.5
250=27.0	500=11.5
500=13.0	750=8.0
750=6.5	1000=7.0
1000=6.0	1500=6.5
1500=8.0	2000=9.0
2000=8.0	3000=10.0
3000=8.0	4000=9.5
4000=9.0	6000=15.5
6000=20.5	8000=13.0
8000=12.0	9000=13.0
Speech=18.5	10000=13.0
	11200=13.0
	12500=13.0
	Speech=19.5

Calibration values: Insert phone Eartone 3A HA-2 acoustic coupler RETSPL dB re 20uPa

Σ υμι α	
	Sound Attenuation:
125=26.0	32.5
250=14.0	36
500=5.5	37.5
750=20	-
1000=0	36.5
1500=2.0	-
2000=3.0	33
3000=3.5	-
4000=5.5	39.5
6000=2.0	-
8000=0	42.5
Speech=12.5	

Calibration values: Insert phone IP30 HA-2 acoustic coupler RETSPL dB re 20µPa

-	Sound Attenuation:
125=26.0	32.5
250=14.0	36
500=5.5	37.5
750=2.0	-
1000=0	36.5
1500=2.0	-
2000=3.0	33
3000=3.5	-
4000=5.5	39.5
6000=2.0	-
0=0008	42.5
Speech=12.5	

Calibration values:

Bone conductor

Radioear B71 Force: 4.9 ... 5.9 N

Mastoid placement - ANSI S3.13 coupler

Air Radiation mean / maximum

	mean / maximu
RETFL dB re1 N	
125=82.5	-
250=67.0	-
500=58.0	-
750=48.5	-
1000=42.5	-
1500=36.5	-
2000=31.0	-
3000=30.0	4/18
4000=35.5	-
6000=40.0	10.5/31
8000=40.0	-
Speech=55.0	

Calibration values:

Sound field (0 degree incidence) Reference equivalent threshold sound pressure level

RETSPL dB

125=22.1 250=11.4 500=4.4 750=2.4 1000=2.4 1500=2.4 2000=-1.3 3000=-5.8 4000=-5.4 6000=4.3 8000=12.6

Speech=14.5

Maximum Sound Levels:

Frequency	Inserts	Supra-aural	Sound Field	Bone Conduction
125	75	80	65	
250	100	100	80	45
500	110	110	90	60
750	110	110	90	60
1000	115	120	90	70
1500	115	120	90	70
2000	115	120	90	70
3000	115	120	90	70
4000	115	120	90	60
6000	100	105	90	50
8000	90	100	80	45

Routine checking and subjective tests

The user of the instrument should perform a subjective instrument check once a week. The purpose of routine checking is to ensure, as far as possible, that the equipment is working properly, that its calibration has not noticeably altered and that its attachments, leads and accessories are free from any defect that might adversely affect the test result.

Check that audiometer output is approximately correct on both air and bone conduction by sweeping through at a hearing level of, for example, 10 dB or 15 dB and listening for "just audible" tones. This test shall be performed at all appropriate frequencies and for both earphones as well as the bone vibrator.

Check at high level (e.g. hearing levels of 60 dB on air conduction and 40 dB on bone conduction) on all appropriate functions (and on both earphones) at all frequencies used; listen for proper functioning, absence of distortion, freedom from interrupter clicks, etc.

Listen at low levels for any sign of noise or hum, for unwanted sounds (break-through arising when a signal is introduced in another channel) or for any change in tone quality as masking is introduced. Keep a record the results.

Congratulations

Your MedRx system is now set up and ready for use. Please consult the Training Manual and the Interactive Help Files within the software for instructions and procedures. The Training Manual is available in PDF format on CD and at www.medrx-usa.com in our Download Section.

Limited Warranty

MedRx, Inc warrants this product to be free from defects in material and workmanship for one year from the time of purchase. If this system fails to perform as specified during this period, the purchaser is responsible for calling MedRx at (888) 392-1234 or (727) 584-9600. The company's representative will advise the owner to either return specific components or the entire system to:

MedRx, Inc. 1200 Starkey Road #105 Largo, FL 33771 USA

MedRx will repair or replace any defective devices, fully test the system and/or components and ship the system promptly back to the owner. There is no cost for the repair or return shipping, provided the system is one year old or less and has not been misused, abused or damaged. Such damage includes, but is not limited to, dropping, exposure to excessive heat greater than 100°F and water/liquid damage.

Repair or replacement of the system as provided under this warranty is the sole and exclusive remedy of the purchaser. MedRx shall not be liable for any consequential or incidental damages or for breach of any express or implied warranty. Except to the extent of applicable law, any implied warranty, merchantability or fitness of this product is limited to the duration of this warranty.

MedRx will, at its discretion, service and repair out of warranty products at the purchaser's request, charging for parts and labor as necessary.

The limited warranty is deemed void if software or hardware is installed on this product which is not pre-approved by MedRx, Inc. Approved software includes NOAH[™] and HIMSA approved hearing aid manufacturer programming modules for fitting hearing aids

MedRx, Inc is not responsible for problems resulting from installation of unapproved software or hardware. In the event of unapproved software or hardware installed on the system causing a conflict, MedRx will service the product for a fee to be determined at the time of service.

Any extension of this warranty past the initial one-year warranty is subject to the following (where applicable).

- 1. A \$300 deductible per repair.
- 2. Extended warranty does not include cables, connectors or peripherals.
- 3. Extended warranty of the Video Otoscope covers optics only.





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EC REP

MedRx's Authorized Representative in Europe

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