



iAudiometer: Technical Specifications

iPad Technical Specification EMC Standards	For the certification and compliance marks specific to that device, choose on device Settings -> General -> About -> Regulatory
Audiometer Standards	
Tone:	ANSI S3.6:2010, IEC EN 60645-1:2002-07 Type 2
Speech:	ANSI S3.6:2010, IEC EN 60645-2:2002-07 Type B
Calibration	Calibration information and instructions are located in the "Calibration" menu on the Home screen
Air Conduction:	<u>TDH-39</u> : ISO 389-1:1998 ANSI S3.6:2010 <u>TDH-49</u> : ISO 389-1:1998 ANSI S3.6:2010 <u>DD 45</u> : PTB/DTU report 2009 <u>EARTone 3A/5A/3C</u> : ISO 389-2:1994 ANSI S3.6:2010 <u>Radioear IP30</u> : ISO 389-2:1994 ANSI S3.6:2010
Bone Conduction:	<u>Radioear B71</u> : ISO 389-3:1994 ANSI S3.6:2010 Placement: Mastoid
Free Field:	ISO 389-7 2005, ANSI S3.6-2010
Effective Masking:	ISO 389-4:1994, ANSI S3.6:2010
Transducers	
Air Conduction:	<u>TDH-39</u> : Headband Static Force 4.5N±0.5N <u>TDH-49</u> : Headband Static Force 4.5N±0.5N <u>DD 45</u> : Headband Static Force 4.5N±0.5N <u>EARTone 3A/5A/3C</u> <u>Radioear IP30</u>
Bone Conduction:	<u>B71</u> : Headband Static Force 4.5N ±0.5N

<p style="text-align: center;">Tests</p> <p>Pure Tone Tests:</p> <p>Speech Tests:</p> <p>TEP™:</p>	<p style="text-align: right;">Air/Bone Conduction Tone Decay ABLB Stenger (tone) Screening (Pass/Fail)</p> <p style="text-align: right;">SRT/SD PI/PB Function Pediatric speech screening test!™ (Psst!™)</p> <p style="text-align: right;">Tinnitus Evaluation Program</p>
<p style="text-align: center;">Tone Stimuli</p> <p>Warble Tone:</p> <p>Pulsed Tone:</p>	<p><u>Frequency:</u> 125-8k Hz Resolution 1/2-1/24 octave</p> <p><u>Intensity:</u> (Check the User Guide) Step: 5dB</p> <p style="text-align: right;">Sine modulation Rate: 5/10/20Hz Index: 5/10/20%</p> <p style="text-align: right;">Pulse duration: 0.2/0.5/1s</p>
<p style="text-align: center;">Masking</p>	<p style="text-align: right;"><u>White Noise</u></p> <p style="text-align: right;"><u>Narrow Band Noise:</u> Center Frequency of the selected stimulus Band ± 12% Filter -12db/oct</p> <p style="text-align: right;"><u>Speech Noise</u></p> <p style="text-align: right;"><u>Pink Noise</u></p>
<p style="text-align: center;">Speech Stimuli</p> <p>Format supported:</p>	<p style="text-align: right;"><u>Audio files:</u> 44100Hz sampling 16 bits 2 channels</p> <p style="text-align: right;">WAV, AAC, AIFF</p>