

Selection & Configuration Guide

Audiometer Calibration Selection Guide

- 1) Choose ear simulator or coupler depending upon head phone to calibrate
- 2) Choose system, SYS008 – SYS011, with needed couplers and ear simulator
 - a. Additional simulators and couplers can be added to a system











Headphone		AEC100	AEC201	AEC202	AEC203	AEC204	RETSPL	Notes
Ear Tone ER-3A ER-5A				✓ ✓	✓ ✓	✓ ✓	ISO 389-2 table 1 ANSI S3.6 table 7a	
Koss HV/1A			✓ ✓				ISO 389-5 annex B ANSI S3.6 table 6	Use 9-10 N force (970 g mass) and optional AEC201-2
Telephonics TDH-39		✓ ✓	✓ ✓				ISO 389-1 table 1 ISO 389-1 table 2 ANSI S3.6 table 5	Use 4-5 N force (470 g mass)
Telephonics TDH-49		✓	✓ ✓				ISO 389-1 table 2 ANSI S3.6 table 5	Use 4-5 N force (470 g mass)
Telephonics TDH-50		✓	✓ ✓				ISO 389-1 table 2 ANSI S3.6 table 5	Use 4-5 N force (470 g mass)
Sennheiser HDA200			✓ ✓				ISO 389-5 & 389-8 ANSI S3.6 table 6	Use 9-10 N force (970 g mass) and type 1 adapter plate
Sennheiser HDA280		✓	✓ ✓				ISO 389-1 table 2 ANSI S3.6 table 5 Sennheiser	Use 4-5 N force (470 g mass)
Sennheiser HDA300		✓	✓				Sennheiser	Use 4-5 N force (470 g mass)
Beyer DT-48		✓ ✓	✓				ISO 389-1 table 1 ISO 389-1 table 2 ANSI S3.6 table 5	Use 4-5 N force (470 g mass)
Interacoustics DD45		✓	✓				Interacoustics	Use 4-5 N force (470 g mass)
Radio Ear B-71		✓ ✓	✓ ✓				ISO 389-3 ANSI S3.6 table 8	Use 4-5 N force (470 g mass) and optional AMC493B weighting mass

AEC Key Specifications

Coupler	AEC100	AEC201-A	AEC202	AEC203	AEC204
Description	NBS 9-A (6 cc) Coupler	Ear Simulator	1/2 in. 2cc Coupler	1 in. 2cc Coupler	IEC711 Ear Simulator
Standards Compliance	IEC 60318-3:1998	IEC 60318-1:2009 IEC 60318-2:1998	IEC 60318-5:2006	IEC 60318-5:2006	IEC 60318-4:2010
	ANSI S3.7-1995	ANSI S3.7-1995 Section 5.4	ANSI S3.7-1995	ANSI S3.7-1995	-
ANSI S3.6 Test Configuration	-	-	With or without ear mold substitute	With ear mold substitute	-
Effective Volume	6 cc		2 cc	2 cc	
Microphone	1 in. LD 2575 (not included)	1/2 in. 377A13 (included)	1/2 in. 377A13 or 377B11 (not included)	1 in. LD 2575 (not included)	1/2 in. 377A13 (included)
Included Accessories	Vibration isolation pillow	Vibration isolation pillow	0.035 in. hex key, acoustic tubing #13 thick	acoustic tubing #13 thick	-
Applications			Invisible In Canal, Completely In Canal, In The Canal, In The Ear, Receiver In Canal, Behind The Ear	Behind The Ear BTE	In The Canal In The Ear Receiver In Canal

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<p>SYS008 Audiometer Cal Kit</p>  <p>2575 1 inch Microphone Pressure Response</p>  <p>AEC100 Coupler</p>  <p>ADP008 1 inch Mic to 1/2 inch preamplifier</p>	<p>SYS009 Audiometer Cal Kit</p>  <p>2575 1 inch Microphone Pressure Response</p>  <p>AEC100 Coupler</p>  <p>ADP008 1 inch Mic to 1/2 inch preamplifier</p>  <p>AMC493B Artificial Mastoid</p>	<p>SYS010 Audiometer Cal Kit</p>  <p>AEC201-A Ear Simulator Includes 377A13</p>	<p>SYS011 Audiometer Cal Kit</p>  <p>AEC201-A Ear Simulator Includes 377A13</p>  <p>AMC493B Artificial Mastoid</p>
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Common Items

 <p>EXA010 Extension Cable</p>  <p>ADP010 Electrical Adapter</p>  <p>CBL042 AC/DC Output</p>	 <p>CCS007 Case & Foam</p>  <p>CAL250 Class 1 Calibrator</p>	 <p>SWW-AUDIT Software for Calibration & Reports</p>  <p>DVX011 USB to Serial Adapter</p>  <p>CBL006 Serial Cable</p>	 <p>PRM902 Preamplifier</p>  <p>ADP006 Microphone Replacement</p>  <p>PSA027 Universal Power Supply</p>
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Optional Accessories

 <p>AEC202 2cc Coupler For 1/2 inch Microphone</p>  <p>AEC203 2cc Coupler For 1 inch Microphone</p>  <p>AEC204 Occluded Ear Simulator Includes Microphone</p>	 <p>AEC201-2 Type 2 Adapter Plate For Koss HV/1A</p>
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SYSTEM 824S
Sound Level Meter
Class 1
824-AUD firmware