

# Audiometer Calibration Configuration 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

Head phone	AEC100	AEC201	AEC202	AEC203	AEC204	RETSPL	Notes
Ear Tone ER-3A			✓	✓	✓	ISO 389-2 table 1 ANSI S3.6 table 7a	
Koss HV/1A		✓				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	✓					Sennheiser	Use 4-5 N force (470 g mass)
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)
Radio Ear B-71	✓	✓				ISO 389-3 ANSI S3.6 table 8	Use 9-10 N force (970 g mass) and optional AMC493B

## AEC Key Specifications

Coupler	AEC100	AEC201-A	AEC202	AEC203	AEC204
<b>Description</b>	NBS 9-A (6 cc) Coupler	Ear Simulator	1/2 in. 2cc Coupler	1 in. 2cc Coupler	IEC711 Ear Simulator
<b>Standards Compliance</b>	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	-
<b>ANSI S3.6 Test Configuration</b>	-	-	With or without ear mold substitute	With ear mold substitute	-
<b>Effective Volume</b>	6 cc		2 cc	2 cc	
<b>Microphone</b>	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)
<b>Included Accessories</b>	Vibration isolation pillow	Vibration isolation pillow	0.035 in. hex key, acoustic tubing #13 thick	acoustic tubing #13 thick	-
<b>Applications</b>			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><b>SYS008</b> Audiometer Cal Kit</p>  <p><b>2575</b> 1 inch Microphone Pressure Response</p>  <p><b>AEC100</b> Coupler</p>  <p><b>ADP008</b> 1 inch Mic to 1/2 inch preamplifier</p>	<p><b>SYS009</b> Audiometer Cal Kit</p>  <p><b>2575</b> 1 inch Microphone Pressure Response</p>  <p><b>AEC100</b> Coupler</p>  <p><b>ADP008</b> 1 inch Mic to 1/2 inch preamplifier</p>  <p><b>AMC493B</b> Artificial Mastoid</p>	<p><b>SYS010</b> Audiometer Cal Kit</p>  <p><b>AEC201-A</b> Ear Simulator Includes 377A13</p>	<p><b>SYS011</b> Audiometer Cal Kit</p>  <p><b>AEC201-A</b> Ear Simulator Includes 377A13</p>  <p><b>AMC493B</b> Artificial Mastoid</p>
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**Common Items**

 <p><b>EXA010</b> Extension Cable</p>  <p><b>ADP010</b> Electrical Adapter</p>  <p><b>CBL042</b> AC/DC Output</p>	 <p><b>CCS007</b> Case &amp; Foam</p>  <p><b>CAL250</b> Class 1 Calibrator</p>	 <p><b>SWW-AUDIT</b> Software for Calibration &amp; Reports</p>  <p><b>DVX0011</b> USB to Serial Adapter</p>  <p><b>CBL006</b> Serial Cable</p>	 <p><b>PRM902</b> Preamplifier</p>  <p><b>ADP006</b> Microphone Replacement</p>  <p><b>PSA027</b> Universal Power Supply</p>
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**Optional Accessories**

 <p><b>AEC202</b> 2cc Coupler For 1/2 inch Microphone</p>  <p><b>AEC203</b> 2cc Coupler For 1 inch Microphone</p>  <p><b>AEC204</b> Occluded Ear Simulator Includes Microphone</p>	 <p><b>SWW-AUDIT</b> Software for Calibration &amp; Reports</p>  <p><b>AEC201-2</b> Type 2 Adapter Plate For Koss HV/1A</p>
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**SYSTEM 824S**  
Sound Level Meter  
Class 1  
824-AUD firmware