



## MODEL AEC206

# HEADPHONE & EARBUD TESTING

- Ships pre-assembled and ready-to-use in a rugged case
- IEC 60318-4 (711) occluded ear simulators with microphones
- Includes ICP® (IEPE) preamplifiers with TEDS
- Includes 4 pinnae (2 left and 2 right)
- Backed by Larson Davis' Total Customer Satisfaction

## TYPICAL APPLICATIONS

- In-ear / on-ear headphone testing
- Production quality assurance
- Ear muff testing
- Headphone R&D

## COMPLETE TEST FIXTURE

The Larson Davis Binaural Test Fixture Model AEC206 is a tool for testing supra-aural, circumaural, supra-concha, intra-concha, and insert-type headphones. Preassembled with IEC 60318-4 (711) occluded-ear simulators and TEDS compatible preamplifiers that provide electronic calibration information, the Model AEC206 is user-friendly and easy to learn. Additionally, calibration is a simple process—a custom adapter is included for the Model CAL250 acoustic calibrator or similar device.

Whether performing quality assurance testing of headphones on an assembly line or using it in the lab for research and development, Model AEC206 is an excellent choice. Backed by our highly respected customer support and commitment to Total Customer Satisfaction, you can feel confident testing with the Larson Davis Model AEC206.

## MODEL AEC206 SPECIFICATIONS

### Physical

Height	14.9 in	37.8 cm
Width	7.9 in	20 cm
Cable Length	5 ft	1.5 m
Electrical Connector	BNC	
Weight		
Test Fixture Only	21 lb	9.5 kg
Case and All Components	41 lb	18.3 kg

### Environmental

Operating Temperature (Electronics)	-40 °F to 158 °F	-40 °C to 70 °C
Operating Humidity	0% to 90% Relative Humidity, Non-Condensing	

### Electrical

Excitation Voltage	20 VDC to 32 VDC	
Constant Current Excitation	2 mA to 20 mA	
Output Bias Voltage	10 VDC to 14 VDC	
Impedance (Output)	< 50 Ohm	
Output Voltage	± 8 V	
TEDS Compliant	Yes	

### Included Accessories

SAEC206.01	Mounting Fixture
AEC304	IEC 60318-4 Occluded Ear Simulator with ½-inch Pressure Microphone (Qty 2)
426M11	Short ½-inch Pre-amplifier with TEDS and ICP Output (Qty 2)
AEC206-RING	Ring Plate for Securing Pinnae (Qty 2)
AEC-LO035	Left Pinna, Shore 00-35 Hardness
AEC-RO035	Right Pinna, Shore 00-35 Hardness
AEC-LA25	Left Pinna, Shore A-25 Hardness
AEC-RA25	Right Pinna, Shore A-25 Hardness
CCS050	Rigid Case with Foam for Transport and Storage
ADP105	Calibration Adaptor for CAL250
AEC206-SPARE	Tool Kit for Assembly and Disassembly
CER-AEC304	Calibration Certificate for AEC304 Compliant with ISO 17025 (Qty 2)
CER-PREAMP	Calibration and certification for LD preamplifier

### Optional Accessories

CAL250	Class 1 acoustic calibrator with 1-inch opening and output of 114 dB re 20 µPa at 251.2 Hz. Includes ADP019 adaptor for ½-inch microphones and calibration certificate.
AEC206-CUP	AEC206 acoustic isolation test cup

## COMPLIANCE

ISO 4869-3:2007 for measurement of insertion loss

IEC 60318-4:2010 occluded-ear simulators (AEC304)

CE



**AEC206 Packing Case**