

EA002 is an electrostatic actuator designed and manufactured by BSWA for testing frequency response of microphones. An electrostatic actuator comprises an electric metal plate which can be placed near the microphone diaphragm. A time-various voltage is applied in between the metal plate and the diaphragm and thus an electrostatic force simulating sound pressure can be distributed on the diaphragm surface.



frequency response of 1" microphones. It can be placed directly on the diaphragm of a microphone. It also could be used for 1/2" and 1/4" microphones with the corresponding adaptor.

EA002 conforms to IEC 61094-6 standard and can be calibrated periodically with a sound level meter in accordance with IEC 61672-3 standard.

SPECIFICATIONS

Electrostatic Actuator EA002	
Standards	IEC 61094-6
Microphone Diameter	1"
Dimension	Φ35 x 17.5 mm
Weight	40 g

EA002 is especially designed for testing the

AS011 is the electrostatic actuator power supply. It have built-in signal amplifier of 30 dB. It can take the signal directly from a data acquisition card. AS011 can provide an 800V, 200V and 0V DC bias voltage to drive the electrostatic actuator.



CS012 Calibration Stand CS012 is a platform for easy testing the technical specifications of the microphone in various situations.

The hollow pole in the middle of CS012 is used to fix preamplifiers. Square socket under the bottom is designed for cables. Locking devices are of 2 sizes which can be used for both 1/2" and 1/4" microphones.



SPECIFICATIONS

Electrostatic Actuator Power AS011	
Max. Input Voltage	1 Vrms
Gain	30 dB
Max. Output Voltage	25 Vrms
DC Bias Voltage	800 V, 200 V, 0 V
Frequency Range	3 Hz ~ 200 kHz
Output Impedance	100 Ω
Power Supply	15 VDC/220VAC
Dimension	275 x 224 x 85 mm
Weight	3.4 kg

SPECIFICATIONS

Calibration Stand CS012	
Matching Diameter of microphone	1/2" , 1/4"
Dimension	Φ150 mm × 15 mm (base) Φ20 mm × 145 mm (pillar)
Weight	400 g