

Microphone Spherical Surface Fixture for Sound Power

MF720 / MF710

In the measurement of sound power level according to ISO 3745-2003, the 20 measurement positions are required on a spherical measurement surface enveloping a noise source in anechoic and hemi-anechoic room. However, it is difficult to mount 20 microphones on tripods in a spherical surface.

BSWA developed MF720 (and MF710) microphone fixture specifically for such measurements. MF720 is designed according to ISO 3745-2003 to mount 20 microphones over the spherical surface; MF710 is a 10 positions version according to ISO3745; ISO7779 and GB6882.

MF720/ MF710 Main Features

- 20 / 10 microphone positions
- The position and orientation of each microphone can be adjusted to fit the amendment of the ISO standards
- Portable with light weight and the parts can be disassembled for easy transportation

BSWA can supply the Sound Power Testing System which Consists of

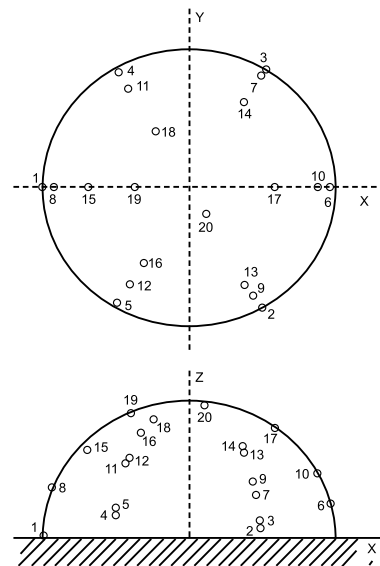
- MF710 /MF720 Spherical Surface Fixture and Microphones
- Data Acquisition Instrument(10-channel DAQ MC38102 OR 20-channel DAQ MC38200)
- Software(PC、VA-Lab10 BASIC+VA-Lab10 Power OR PowerVA-Lab20 BASIC+VA-Lab20 Power)



Microphone Mounting for MF710 and MF720

SPECIFICATIONS

Microphone Spherical Surface Fixture for Sound Power Testing		
Model	MF710	MF720
No. of Microphone Positions	10	20
Standards	ISO7779, GB6882-88; ISO3475-1982	ISO3745-2003
Radius (microphone positions)	1.0 mm	1.0 mm
Microphone Size to be Fixed on	1/2 inch	1/2 inch
Carrying Case	1500 x 350 x 200 mm	1500 x 350 x 200 mm
Weights	10 Kg	11 Kg
Optional Items		
MPA231 1/2" ICP Microphones	20	10
CBB 020 20 m BNC cables	20	10



Microphone positions for MF720