

MICROPHONE ARRAY

SPT980/SPS980/SPS490

BSWA designs and manufactures microphone arrays for acoustical measurements. Our experience spans from simple linear array to complicated random array. The number of microphones in the arrays ranges from 16 to 256 according to the customers' requirements.

Microphones are the most important elements in the array; BSWA uses MPA416 (or MPA466 with TEDS) for 1/4" microphone array. The phases of the microphones are matched according to the customer's specifications. For critical applications where high accuracy and low noise are required, BSWA will recommend MPA231 (or MPA261 with TEDS) as microphone elements as microphone elements

To make the array structurally stable, BSWA uses stainless steel (or aluminum) and CNC cutting to fabricate the mechanical parts.



SPS490 Spiral Array



SPS980 Spiral Array



Customized Cross Array

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SPECIFICATIONS

MICROPHONE ARRAY SPT980/SPS980/SPS490			
Model	SPT980	SPS980	SPS490
Type of Array	Spiral	Spiral	Spiral
No. of Microphones	36	36	16
Diameter	1.0 m	1.0 m	0.5 m
Microphone Model	MPA231T	MPA416	MPA416
Dynamic Range	20 ~ 135 dBA	30 ~ 128 dBA	30 ~ 128 dBA
Frequency Range	20 Hz ~ 20 kHz	20 Hz ~ 20 kHz	20 Hz ~ 20 kHz
Phase Match	$\pm 2^\circ$	$\pm 5^\circ$	$\pm 5^\circ$
Cabling	8-pin LEMO to 8 SMBs	8-pin LEMO to 8 SMBs	8-pin LEMO to 8 SMBs