

Free-field Microphone Sets SS 742-R1/R2

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The SS 742 is a free-field measuring microphone for the IEPE 1/4 inch electret microphone, designed to measure the distortion-free true sound pressure before the microphone is placed into the sound field.

The SS 742 positioning is due to its high sensitivity, suitable for conventional acoustic testing, microphone array testing and other applications, the head and front integrated construction, non-removable. Use IEPE signal conditioners such as MegaSig PM 0083 for optimal test results.

Product characteristics

- Provides the TEDS function and supports IEEE 1451.4 v1.0
- Cost-effective, suitable for microphone array testing, acoustic imaging, etc

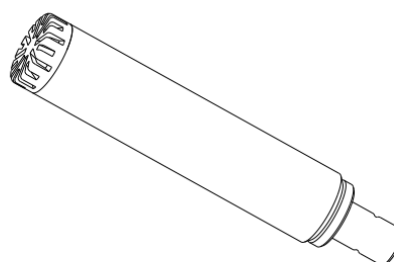
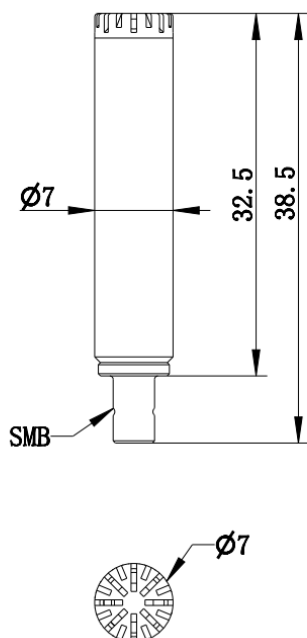
Specifications

SS 742 Type	R1	R2
Sensitivity mV/Pa(dBV/Pa)	50mV (-26.0dB) ± 2dB	30mV (-30.5dB) ± 2dB
Dynamic range	34dB (A) -125dB (1000 Hz THD<3%)	39dB (A) -130dB (1000 Hz THD<3%)
Inherent noise	34dB (A)	39dB (A)
Sound field	Free-field	
Polarization	0V (Pre polarized)	
Frequency range	50Hz-10kHz ± 2dB	20Hz-20KHz ± 3dB
Phase equalization	< ±3°(100 Hz ~ 3 kHz)	< ±5°(50 Hz ~ 5 kHz) < ±10°(5 kHz ~ 10 kHz)
Output level max	1.8V	
Power supply min. to max.	2mA-20mA (Typical 4mA)	
Microphone type	electret microphone	
Connect type	SMB	

Temperature range,operation	-10°C to 40°C
Storage condition	Temperature: 25°C±5°C, humidity: 50%±15%RH (to ensure the long-term stability of the sensor)
Relative humidity	10-60% no condensation
Relative humidity coefficient	<0.1dB(10-60% no condensation)

Mechanical dimension

Overall length	38.5mm
Diameter	7mm



MegaSig reserves the right to change specifications and accessories without notice.



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