

Sound Industrial Stethoscope SS 720

Version: 2.0_20240228_EN



The industrial stethoscope is an acoustic sensor for contact measurement that collects sound by touching the surface of the object being measured with the surface of the diaphragm. The SS 720 has a built-in measuring microphone, which changes the pressure in the coupling cavity through the vibration of the large diaphragm, making it easier to measure the subtle vibration signals in the operation of the equipment.

The SS 720 is not removable due to its special structure. With MegaSig PM 0083 IEPE signal conditioner to achieve the best test results;

Product characteristics

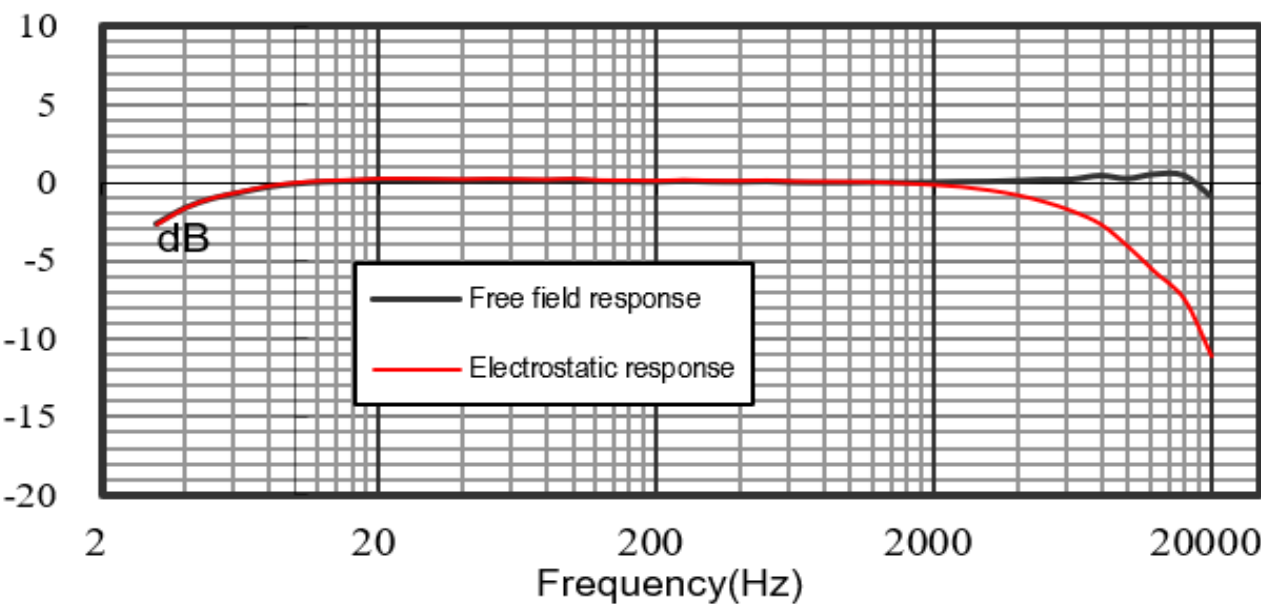
- High sensitivity
- High SNR, Low inherent noise, Wide frequency response range
- Suitable for motor abnormal sound, voice print recognition, equipment running status monitoring and other fields

Specifications

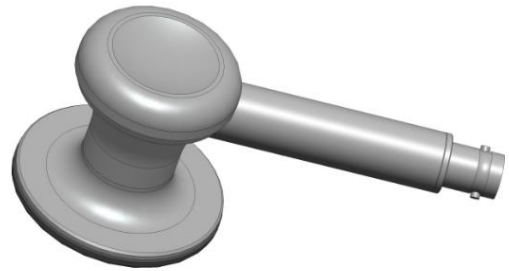
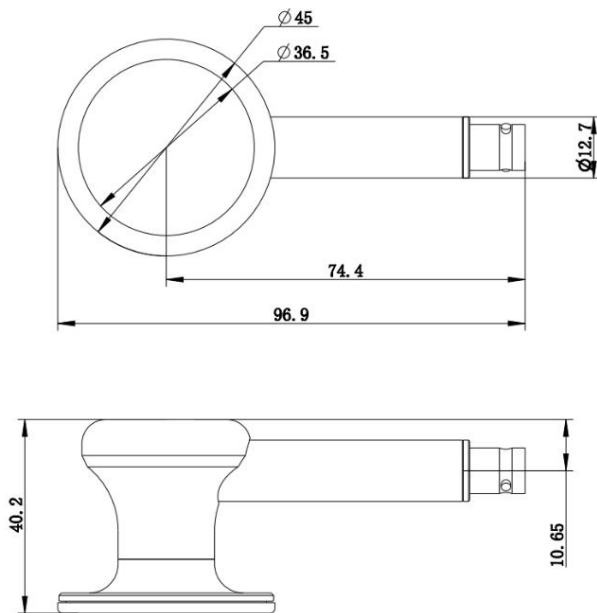
Polarization	0V (Pre polarized)
Frequency range	3.15Hz – 20kHz ± 2dB 12.5Hz – 10kHz ± 1dB
Dynamic range	17dB (A) -135dB (1000 Hz THD<3%)
Inherent noise	17dB (A)
Sensitivity mV/Pa(dBV/Pa)	50mV (-26.0dB) ± 2dB
Output level max	5.6V
Output impedance	<50Ω
Power supply min. to max.	2mA-20mA (Typical 4mA)
Microphone venting	Rear
Connect type	BNC

Temperature range,operation	-20℃ to 60℃
Storage condition	Temperature: 25℃±5℃, humidity: 50%±15%RH (to ensure the long-term stability of the sensor)
Relative humidity	10-90% no condensation
Relative humidity coefficient	<0.1dB(10-90% no condensation)

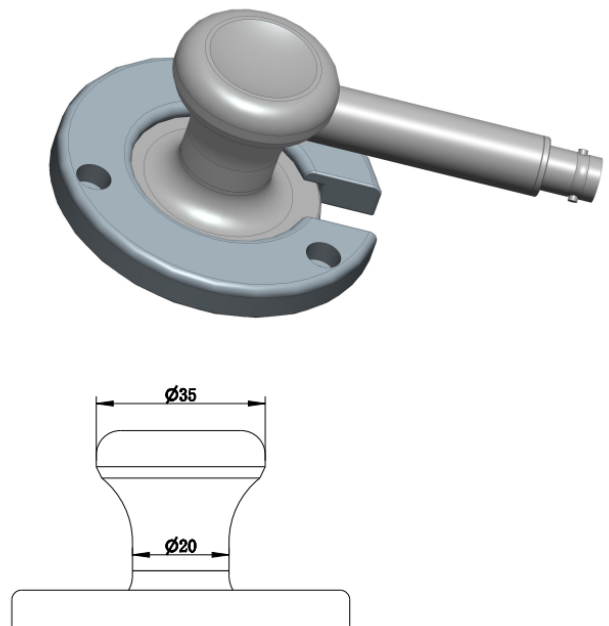
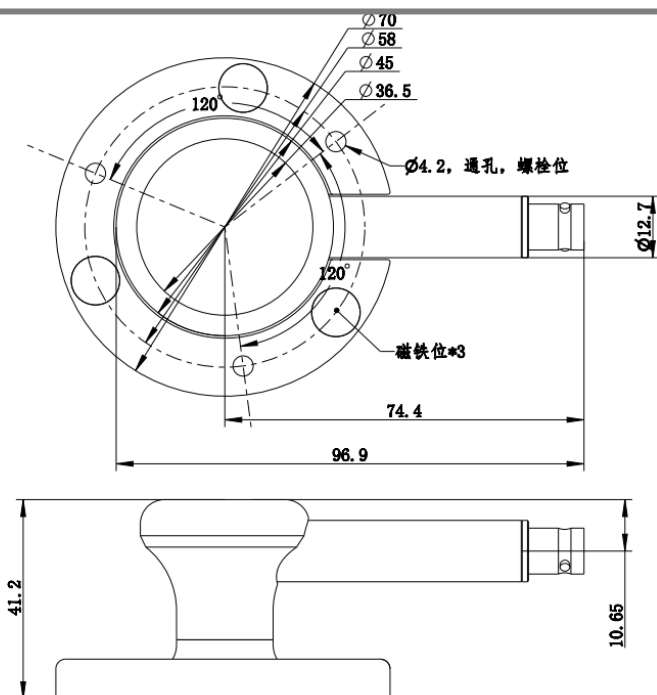
SS 720 Internal Microphone Suite Frequency Response Curve



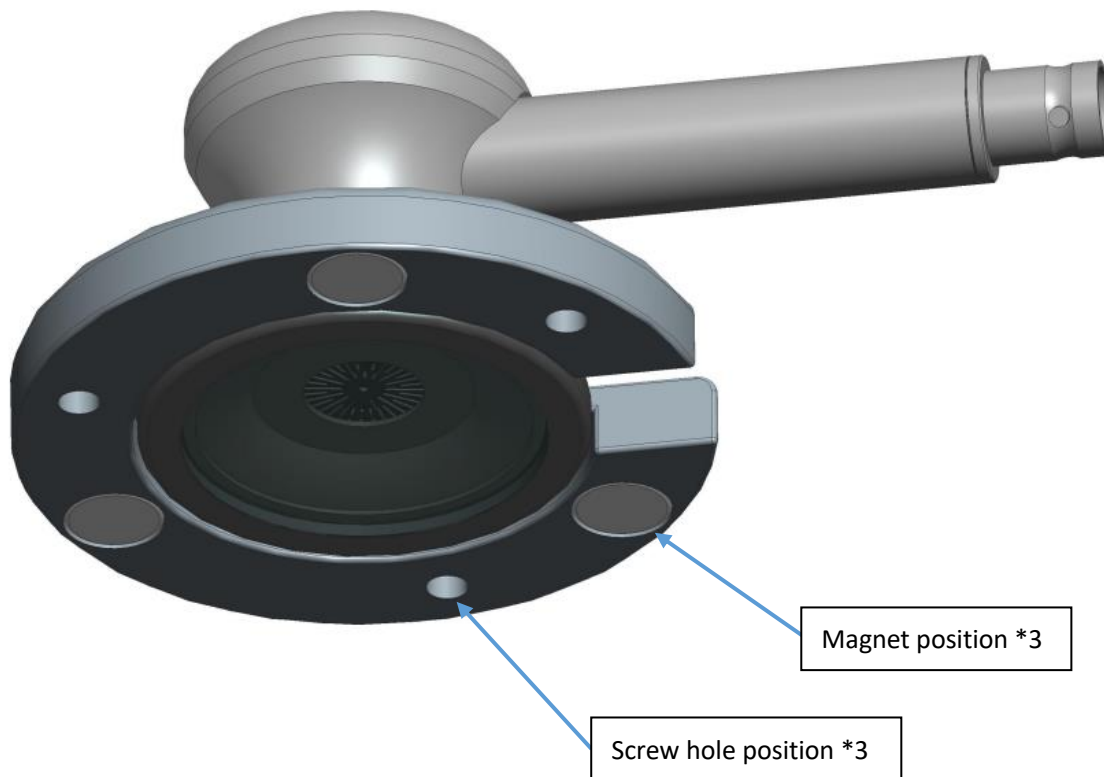
Mechanical dimension (excluding fixed collar)



Mechanical dimension (including fixed collar)



3D diagram (with fixed collar)



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



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