

Kingfisher Fiber Optic Microphones

SPL: Sound pressure levels **EXF:** Extended frequency response
EXTF: Extreme temperatures & extended frequency response
SNR: High signal-to-noise ratios over extended distances
ISEXF: Infrasound and extended frequency response

SPECIFICATION	SOM(3)	SOM(4)	SOM(5)	SOM(3/4/#5) SPL	SOM(3/4/#5) EXF	SOM(4/#5) EXTF	SOM(4) STEREO	SOM(4/#5) SNR	SOM(4/#5) SNR EXTF	SOM(5) ISEXF	SOM(5) WATERPROOF
Absolute EMI/RFI immunity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
*Robust design suited to industrial applications			✓	✓	✓	✓		✓	✓	✓	✓
Linear response at up to 140 dB SPL				✓							
Extended frequency response (10-15,000 Hz)				✓	✓	✓	✓		✓	✓	
Suitable for use at extreme temperatures						✓			✓		
Infrasound measurements/capability (0.5 -15,000 Hz)										✓	
High SNR over long distances								✓	✓		
Noise levels lower than best electret microphones								✓	✓		
High reliability and environmental stability	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Waterproof and submersible to depths of 15 meters											✓
Stereo functionality (matched stereo microphones)							✓				
Excellent sound accuracy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Exceptionally low sensitivity to vibration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MRI scanner room SPL measurement				✓							
MRI earmuff noise measurement				✓							
fMRI headphone calibration				✓							
High fidelity signal monitoring					✓	✓			✓	✓	
Monitoring two separate locations							✓				
Sound energy density measurement							✓				
Extremely low level noise monitoring								✓	✓		
Long range peer-to-peer monitoring								✓	✓		
*Robust outdoor operations						✓					✓
"Optional" built-in noise cancelling via DSP		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
"Optional" internal digital recorder (micro-SD format)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

■ Not available on the SOM3 SPL / EXF