Outdoor microphones are for outdoor uses such as the outdoor acoustic measurement or community and traffic noises monitoring. BSWA outdoor microphones are fitted with a windscreen, a rain protection, and a bird spike to protect them from wind, rain, snow and other atrocious weather. An adaptor pole is also included in the package which helps to connect the outdoor microphone to a camera and which also plays a role for protectng the cable.

BSWA outdoor microphones can be calibrated by a pistonphone by removing the windscreen and the rain protection.

The directional angle is 0° for airport noise monitoring and 90 ° for community and traffic noises monitoring.



OM231 is 1/2 inch prepolarized condenser outdoor microphone. It is suitable for use in rainy days or in an environment at very high or very low temperature. OM231 uses IEC 61672 CLASS 1 measurement microphone which is outstanding for its stability. It is the best choice for permanent outdoor use such as the airport noise monitoring.

OM416 is a low-cost outdoor microphone. It uses1/4" ICCP microphone, which makes it suitable for 0° and 90 ° measurements. The OM416 is designed with disposable microphone concept. The microphone is easily removed and replaced after about six months of outdoor uses.

SPECIFICATIONS

Outdoor Microphones		
Model	OM231	OM416
Sensitivity	40 mV/Pa	50 mV/Pa
Microphone Diameter	1/2"	1/4"
Frequency Response	20 Hz ~ 20 kHz	20 Hz ~20 kHz
Dynamic Range (3% Distortion Limit)	17 ~136 dB	29 ~127 dB
Polarization Voltage	0 V	0 V
Power Supply	4 mA	4 mA
Calibration Sound Press Level	94 dB	94 dB
Reference direction	0° or 90	0° or 90°
Output Connector	BNC	SMB
IEC 61672	Class 1	Class 2
Temperature (℃)	-30 ~ 80	-10 ~ 50
Humidity (RH)	0 ~ 95%	0 ~ 95%