

# OUTDOOR MICROPHONES

## OM231/ OM416



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.

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

The directional angle is  $0^\circ$  for airport noise monitoring and  $90^\circ$  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 class 2 low-cost outdoor microphone. It used 1/4" ICCP microphone, which makes it suitable for  $0^\circ$  and  $90^\circ$  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 OM231/OM416		
Models	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)	18 ~130 dB	29 ~127 dB
Polarization Voltage	0 V	0 V
Power Supply	4 mA	4 mA
Reference direction	$0^\circ$	$0^\circ$ or $90^\circ$
Output Connector	BNC	SMB