



## MP411 Microphone

### Features:

- 1/4-inch Free-field microphone
- Sensitivity (@250 Hz) :2 mV/Pa ( $\pm 2$  dB)
- Frequency Range: 10 Hz ~ 40 kHz
- Dynamic Range: 45 dBA ~ 168 dB
- Polarization: Prepolarization
- Pressure Equalization: Rear vent
- Suitable for 1/4-inch preamplifier with ICCP power supply
- Optional TEDS (IEEE.1451.4)



### Applications:

- Acoustic measurement in free field and semi free field

### Introduction

**MP411** is a 1/4-inch free-field microphone developed by BSWA. According IEC61672 Class 1 standard.

**MP411** is prepolarized microphone without external polarization voltage, suitable for preamplifier with ICCP power supply such MA series (optional TEDS).

**MP411** is available for acoustic measurement in free field and semi free field such open air, vehicle, anechoic chamber and reverberation room. Each MP411 is provided with individual calibration data chart including sensitivity, frequency response and so on before delivery.

### Specifications

Sound Field Type	Free-field
Diameter	1/4
Level (IEC61672)	Class 1
Frequency Response Range (Hz)	10 ~ 40k
Open-circuit Sensitivity@250 Hz (mV/Pa) ( $\pm 2$ dB)	2
Dynamic Range (dBA ~ dB)	45 ~ 168
Base Noise (dBA)	<45
Pressure Equalization	Rear vent
Operating Temperature Range ( $^{\circ}$ C)	-30 ~ 80
Operating Humidity Range (RH)	0 ~ 98%
Capacitance (pF)	6
Equivalent Volume of Front Space@250 Hz (mm <sup>3</sup> )	0.6
Temperature Coefficient (dB/ $^{\circ}$ C)	-0.02
Humidity Coefficient (dB/%RH)	0.003
Pressure Coefficient (250 Hz)(dB/kPa)	-0.007
Dimensions	IEC 61094-4 Type WS3
Mounting Thread for Preamplifier	M 5.7 mm $\times$ 60 UNS
Preamplifier Type	MA401

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