



MPA Series Microphones

MPA201 / MPA231 / MPA215 / MPA241 / MPA416 / MPA436 / MPA418 / MPA401 / MPA421

Model	MPA201	MPA231	MPA215	MPA241	
Photos					
Diameter	1/2"	1/2"	1/2"	1/2"	
Standards (IEC61672)	Class 1	Class 1	Class 2	Class 1	
Microphone	MP201	MP231	MP215	MP241	
Optimized	Free Field	Free Field	Free Field	Free-field, the overall specifications can be as diffused-field.	
Preamplifier	MA231(TEDS optional)	MA231(TEDS optional)	MA231(TEDS optional)	MA241	
Frequency Response (Hz)	20 ~ 20k	20 ~ 20k	20 ~ 12.5k	20 ~ 20k	
Open-circuit Sensitivity (mV/Pa) (±2dB)	45	40	40	40	
Output Impedance (Ω)	< 30	< 30	< 30	< 30	
Dynamic Range (dBA)	17 ~ 134	18 ~ 136	23 ~ 135	18 ~ 136	
Inherent Noise (dBA)	17	18	23	18	
Operating Temperature (°C)	-30 ~ 80	-30 ~ 80	-20 ~ 80	-30 ~ 80	
Operating Humidity (RH)	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%	
Temperature Coefficient (dB/°C)	-0.012	-0.012	<± 0.3 dB (0 ~ 40 °C) with 250Hz, at reference temperature 23 °C	-0.012	
Humidity Influence	< 0.1	< 0.1	< 0.2	< 0.1	
Pressure Coefficient (250 Hz) (dB/kPa)	-0.004	-0.004	-0.03	-0.004	
Length (mm)	91	91	91	21.5 x 21.5 x 41.0	
Input Connector	BNC	BNC	BNC	SMB	
Corresponding Model with TEDS	MPA261	MPA271	MPA265	--	

*The MPA416 & MPA436 are the most suitable models for array uses. The frequency responses meet the IEC 61672 Class 1 requirements.