

The Ivie model 1201 is a 1/2" prepolarized free field measurement microphone. It is ideal for use with IEC 61672 Class 1 sound level meters, and other equipment requiring Class 1 accuracy.

The 1201 employs a nickel alloy diaphragm and proprietary coating technology. The microphone housing is made from the same nickel alloy to ensure the smallest temperature coefficient variance.

Figure 1 shows the typical free-field frequency response of the 1201 (black curve) against the IEC 61672 standard allowance envelope (red curves).

Each microphone is supplied with it's individual calibration data for frequency response and sensitivity.



## Specifications

CLASS 1 MICROPHONE MP201	
Diameter	1/2 inch
Response	Free Field
Open-Circuit Sensitivity	-26 ± 2 dB (50mV/Pa)
Frequency Response	20 ~ 20 kHz
Polarization Voltage	0 V
Dynamic Range (3% Distortion Limit)	> 146 dB
Cartridge Thermal Noise	< 16 dBA
Capacitance (Typical)	16 pF
Pressure Equalization Vent	Rear Vented
Operating Temperature	-30°C ~ 80°C
Operating Humidity	0 ~ 98% RH
Equivalent Air Volume	250 mm <sup>3</sup> at 250 Hz
Temperature Coefficient (-10 ~ 50°C)	- 0.005 dB/°C
Humidity Coefficient	-0.003 dB/%RH
Pressure Coefficient (250 Hz)	-0.004 dB/kPa
Dimensions	IEC 1094-4 Type WS 2

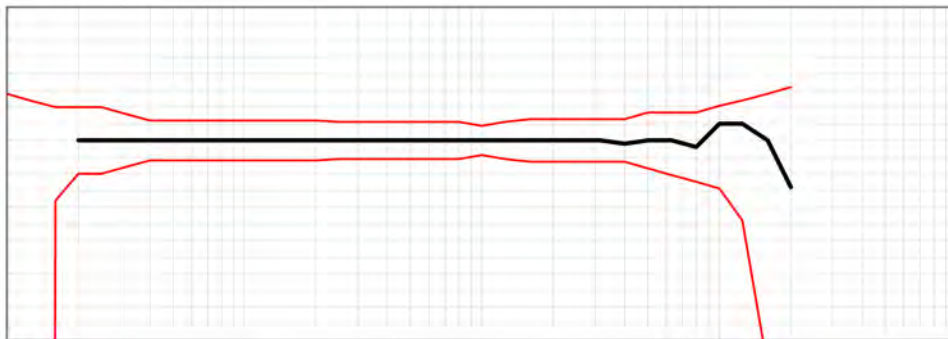


Figure 1 - Typical free-field frequency response curve of the Ivie 1201