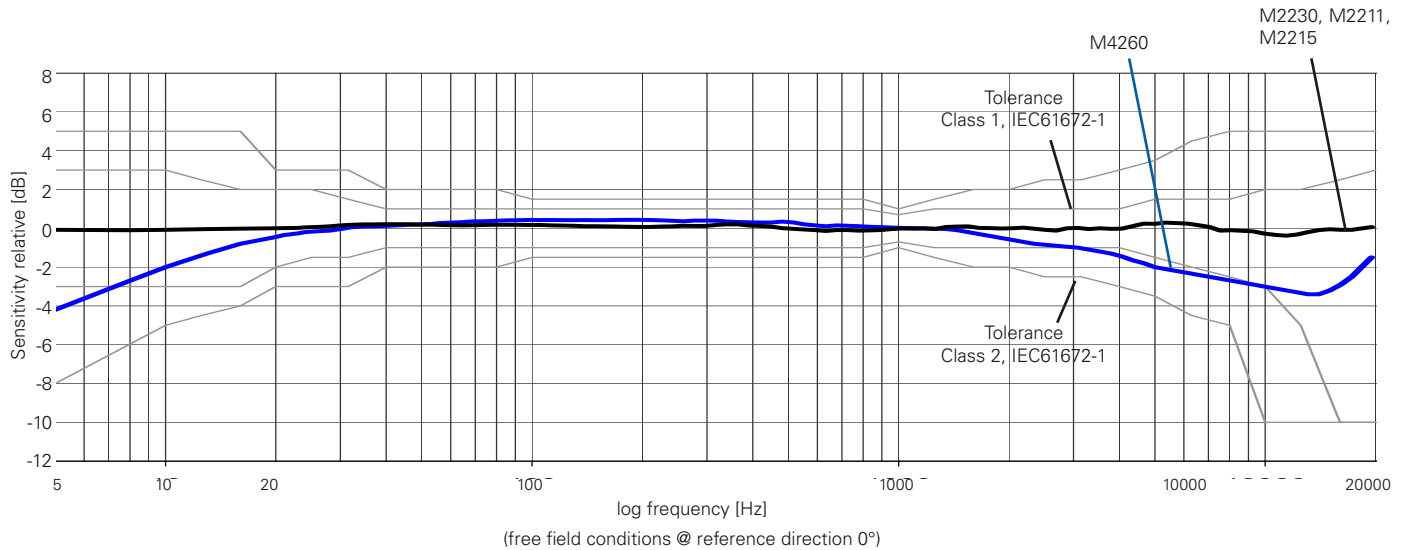


Technical Data Measurement Microphones

	M2230 Class 1 Certified	M2211 Frequency Response Class 1	M2215 High SPL Frequency Response Class 1	M4260 Class 2
Microphone Type	Omnidirectional, pre-polarized condenser, free field microphone			
Classification according IEC 61672 and ANSI S1.4	Class 1 / Type 1 Certified	Frequency Response Class 1 / Type 1		Class 2 / Type 2
Capsule / Transducer	1/2" detachable with 60UNS2 thread, type WS2F according IEC 61094-4			1/4" permanently installed
PreAmplifier Type	MA220			-
Flatness	Class 1 (IEC61672-1) ±1 dB @ 5 Hz - 20 Hz ±1 dB @ 20 Hz - 4 kHz ±2 dB @ 4 kHz - 20 kHz			Class 2 (IEC61672-1) +1/-4.5 dB @ 5 Hz - 20 Hz ±1.5 dB @ 20 Hz - 4 kHz ±4.5 dB @ 4 kHz - 20 kHz
Frequency Range	5 Hz - 20 kHz			
Residual Noise Floor typical	16 dB(A)	21 dB(A)	29 dB(A)	29 dB(A)
Maximum SPL @THD 3%, 1 kHz	139 dB SPL	144 dB SPL	153 dB SPL	144 dB SPL
Sensitivity typical @ 1 kHz	-27.5 dBV/Pa ±2 dB (42 mV/Pa)	-34 dBV/Pa ±3 dB (20 mV/Pa)	-42 dBV/Pa ±3 dB (8 mV/Pa)	-31.7 dBV/Pa ±3 dB (26 mV/Pa)
Temperature Coefficient	< -0.01 dB / °C	< ±0.015 dB / °C		< ±0.02 dB / °C
Temperature Range	-10°C to +50°C (14°F to 122°F)			0°C to +40°C (32°F to 104°F)

	M2230 Class 1 Certified	M2211 Frequency Response Class 1	M2215 High SPL Frequency Response Class 1	M4260 Class 2
Pressure Coefficient	-0.005 dB / kPa	-0.02 dB / kPa		-0.04 dB / kPa
Influence of Humidity (non-condensing)	< ±0.05 dB			< ±0.4 dB
Humidity	5% to 90% RH, non-condensing			
Long Term Stability	> 250 years / dB			-
Electronic Data Sheet	NTi Audio ASD in accordance with IEEE P1451.4 V1.0, Class 2, Template 27			
Output Impedance	100 Ohm balanced			
Power Supply	48 VDC phantom power, 3 mA typical			
Connector	Balanced 3-pole XLR			
Diameter Dimensions	20.5 mm (0.8")			
Length Dimensions	154 mm (6.1")	150 mm (5.9")		
Weight	100 g, 3.53 oz			83 g, 2.93 oz
NTi Audio #	600 040 050	600 040 022	600 040 045	600 040 025

Typical Frequency Response



Technical Data PreAmplifier

	MA220 PreAmplifier
Microphone PreAmplifier	Compatible with 1/2" microphone capsules type WS2F in accordance with IEC61094-4
Frequency Range	4 Hz - 100 kHz
Residual Noise Floor typical	1.6uV(A) at C_in 18pF \pm 12 dBA @ 20 mV/Pa
Frequency Response Flatness	\pm 0.2 dB
Phase Linearity	< 1° @ 20 Hz - 20 kHz
Maximum Output Voltage	21 Vpp \pm 7.4 Vrms \pm 145 dBSPL @ 20 mV/Pa, THD 3%, 1 kHz
Electronic Data Sheet	<ul style="list-style-type: none"> • Containing user calibration data • Default factory sensitivity = 4.9 V/Pa • Read/write by XL2 Audio and Acoustic Analyzer • NTi Audio ASD in accordance with IEEE P1451.4 V1.0, Class 2, Template 27
Impedance	Input: 20 GOhm // 0.26 pF, Output: 100 Ohm balanced
Power Supply	48 VDC phantom power, 3 mA typical
Attenuation	< 0.17 dB (Rphantom 2x 6.8 kOhm)
Connector	Balanced 3-pole XLR
Thread for Capsule	60 UNS2
Weight	90 g, 3.17 oz
Dimensions	Length 142.5 mm (5.6"), diameter 20.5 mm (0.8")
Temperature Range	-10°C to +50°C (14°F to 122°F)
Humidity	5% to 90% RH, non-condensing
NTi Audio #	600 040 040

The product specifications may vary based on the mounted microphone capsule type.