

19. Technical Data XL2

Sound Level Meter		
Certified Product Con- figurations Class 1	XL2-TA, M2230 microphone and Shroud MXA01 form an integrating sound level meter with type approval in accordance with class 1 requirements of IEC 61672 and ANSI S1.4	
Product Configurations Class 1	• XL2 with M2230 microphone Class 1 in accordance with IEC 61672 and ANSI S1.4	
	• XL2 with M2211, M2215 microphone Class 1 frequency response in accordance with IEC 61672 and ANSI S1.4	
	These specifications apply for operation with the microphone attached using the Shroud MXA01 or the microphone detached using the ASD cable. This prevents possible acoustic reflections from the XL2 housing and ensures a high measurement accuracy in accordance with the standards IEC 61672 and ANSI S1.4.	
Product Configurations Class 2	• XL2 with M4260 microphone Class 2 in accordance with IEC 61672 and ANSI S1.4	

Conforms with Stan- dards	 IEC 61672:2014, IEC 61672:2003, IEC 61260:2014, IEC 61260:2003, IEC 60651, IEC 60804 SMPTE ST 202:2010, ISO 2969:2015 China: GB/T 3785:2010, GB/T 3241, GB 3096-2008, GB 50526, GB-T_4959-1995 Germany: DIN 15905-5, DIN 45657:2014, DIN 45657:2005, DIN 45645-2, optional: DIN 45645-1 Japan: JIS C1509-1:2005, JIS C 1513 class 1, JIS C 1514 class 0 Switzerland: SLV UK: BS 4142:2014, BS 5969, BS 6698 US: ANSI S1.4:2014, ANSI S1.43, ANSI S1.11:2014 International IEC standards are adopted as European standards and the letters IEC are replaced by EN. XL2 conforms to these EN standards.
Details	 Measurement bandwidth (-3dB): 4.4 Hz - 23.0 kHz Level resolution: 0.1 dB Internal noise: 1.3 μV A-Weighted
Weighting	 Frequency weighting: A, C, Z (simultaneous) Time weighting: Fast, Slow, optional: Impulse (simultaneous)
Measure- ment Ranges with different microphones	• XL2+M2230: 17 dB(A) - 137 dB • XL2+M2215: 25 dB(A) - 153 dB • XL2+M2211: 21 dB(A) - 144 dB • XL2+M4260: 29 dB(A) - 144 dB



Linear Mea- surement Range acc. IEC61672 / ANSI S1.4	 XL2+M2230: 24 dB(A) - 137 dB 27 dB(C) - 137 dB XL2+M2215: 33 dB(A) - 153 dB XL2+M2211: 29 dB(A) - 144 dB XL2+M4260: 35 dB(A) - 144 dB typical microphone sensitivity
Stabilization Time	< 10 seconds
Integration Time	 Minimum: 1 second Maximum: 100 hours minus 1 second
Display Measure- ment Ranges	Three level ranges depending on the microphone sensitivity with manual setting. For example: • M2230 @ sensitivity = 42 mV/Pa » LOW, lower level range: 0 - 100 dBSPL » MID, mid-level range: 20 - 120 dBSPL » HIGH, upper level range: 40 - 140 dBSPL • M2215 @ sensitivity = 8 mV/Pa » LOW, lower level range: 20 - 120 dBSPL » MID, mid-level range: 40 - 140 dBSPL » HIGH, upper level range: 60 - 160 dBSPL • M2211 @ sensitivity = 20 mV/Pa » LOW, lower level range: 10 - 110 dBSPL » MID, mid-level range: 30 - 130 dBSPL • M4260 @ sensitivity = 26 mV/Pa » LOW, lower level range: 10 - 110 dBSPL • M4260 @ sensitivity = 26 mV/Pa » LOW, lower level range: 50 - 150 dBSPL » MID, mid-level range: 30 - 130 dBSPL » MID, mid-level range: 30 - 130 dBSPL » HIGH, upper level range: 50 - 150 dBSPL

Residual noise in [dB] @ S = 42 mV/Pa of XL2 without measurement microphone • Frequency weighting A

Level range	L _{eq}	L _{peak}
LOW	4	17
MID	18	31
HIGH	43	55

• Frequency weighting C

Level range	L _{eq}	L _{peak}
LOW	3	16
MID	17	30
HIGH	41	55

• Frequency weighting Z

Level range	L _{eq}	L _{peak}
LOW	7	20
MID	21	34
HIGH	46	58



Measure- ments	SPL actual, Lmin, Lmax, Lpeak, Leq Gliding LAeq and LCeq with selectable time window from five seconds to one hour All measurement results simultaneously available Correction value measurement wizard Noise exposure level LEX with post-processing Logging all data or subsets in selectable intervals Recording of wav-files (ADPCM), a new wav-file starts every 12 hours (max. wav-file size 512 MB) Recording of voice notes Monitoring of sound levels that exceed limits Digital I/O interface for external peripherals control
Real-Time Analyzer RTA	Conforms with class 1 of IEC 61260:2014 and ANSI S1.11-2014 1/1 octave band display: 8 Hz - 16 kHz sub ranges 8 Hz - 4 kHz or 31.5 Hz - 16 kHz displayed with A/Z broadband levels at one glance 1/3 octave band display: 6.3 Hz - 20 kHz sub ranges 6.3 Hz - 8 kHz or 20 Hz - 20 kHz displayed with A/Z broadband levels at a glance Level resolution: 0.1 dB Measurement Units: Volt, dBu, dBV and dBSPL Band pass filters (base 2) conform with class 1 of IEC 61260:2014 and ANSI S1.11-2014 3 1/1 octave spectrum: > 16 Hz band 4 Wide band levels simultaneously Frequency weighting: X-Curve in accordance with SMPTE ST 202:2010 and ISO 2969:2015 Capturing of a single reading into the internal memory for comparative measurements

Remote Measure- ment (optional)	Ouerying measurement data online via the USB interface of the following functions: • Sound level meter and spectrum analyzer SLMeter/RTA • FFT analyzer • Audio analyzer RMS/THD+N • High resolution spectral analyzer 1/12 Oct + Tol
Data Explorer (optional)	Enables the import of measurement data into the XL2 Data Explorer software Powerful data processor for easy and fast analysis of sound level measurement data on PC



Functions of Extended Acoustic Pack (optional)

- SLMeter/RTA function
- » Recording of linear wav-files (24 bit, 48 kHz)
- » Percentiles for wide band, 1/1 and 1/3 octave spectrum
- Flexible setting from 0.1% to 99.9%
- Sampling: every 1.3 ms
- Wide band: in 0.1 dB wide classes, based on sampling Lxy (x= A, C or Z, y= F, S or EQ₁")
- 1/1 and 1/3 octave spectrum: in 1.0 dB wide classes, based on Lxy (x= A, C or Z, y= F or S)
- Dynamic range: 140 dB
- » Sound Exposure Level LAE
- » 100ms logging
- » Event-triggered audio and data recording
- » Time weighting: Impulse (LxI, LxIeg with x= A, C, Z)
- » True peak level in 1/1 and 1/3 octave resolution
- » Clock-Impulse Maximum Level (TaktMax) and values as specified in DIN 45645-1
- FFT function
- » High-resolution Zoom-FFT with selectable frequency ranges and resolution up to 0.4 Hz in the range of 5 Hz to 20 kHz
- RT60 function
- » Reverberation time RT60 in 1/3 octave resolution

Functions of Spectral Limits Option (optional)

- SLMeter/RTA function
- » True peak level in 1/1 and 1/3 octave resolution
- FFT function
- » High-resolution Zoom-FFT with selectable frequency ranges and resolution up to 0.4 Hz in the range of 5 Hz to 20 kHz
- 1/12 octave function
- » High resolution RTA function "1/12 Oct + Tol"
- » Selectable 1/1, 1/3, 1/6 and 1/12 octave spectral resolution
- » Frequency band listening at rear speaker
- FFT and 1/12 octave function
- » Capturing of multiple readings into the internal memory
- » Comparing measurement results against captures with relative or absolute curve display
- » Comprehensive tolerance handling with tolerance masks based on captures for passed/failed measurements
- » Export and import of tolerance and capture files
- Noise Curves
- » Noise Rating NR in accordance with ISO 1996
- » Noise Criteria NC

in accordance with ANSI S12.2-2008 and -1995

- » Room Noise Criteria RNC in accordance with ANSI S12.2-2008
- » Room Criteria RC in accordance with ANSI S12.2-1995
- » Preferred Noise Criteria in accordance with ASA 1971

Acoustic Analyzer		
FFT Analysis	Real-time FFT with actual level, Leq, Lmin, Lmax Level resolution: 0.1 dB Frequency Band Ranges: 7 Hz - 215 Hz, 58 Hz - 1.72 kHz, 484 Hz - 20.5 kHz with 143 frequency bins shown on display Measurement Units: Volt, dBu, dBV and dBSPL Optional: High-resolution Zoom-FFT with selectable frequency ranges and resolution up to 0.4 Hz in the range of 5 Hz to 20 kHz Optional: Capture and tolerance function with multiple readings for comparative measurements and passed/failed analysis	
Reverbera- tion Time RT60	1/1 octave bands results from 63 Hz - 8 kHz, based on T20 and T30 Optional: 1/3 octave bands results from 50 Hz - 10 kHz, based on T20 and T30 Range: 10 ms - 14 seconds Measurement in accordance with ISO 3382 using Schroeder-method Test signal: Impulse source or interrupted pink noise generated by the MR-PRO, MR2 or the included NTi Audio Test CD	
Delay Time	 Propagation delay between electrical reference signal and acoustic signal using the internal microphone Range: 0 ms - 1 second (0 m - 344 m) Resolution: 0.1 ms Test signal: NTi Audio delay test signal generated by the MR-PRO, MR2 or the included NTi Audio Test CD 	

Polarity	Checks polarity of speakers and line signals Positive/Negative detection of wideband and individual 1/1 octave bands through internal microphone or XLR/RCA connector Test signal: NTi Audio polarity test signal generated by the MR-PRO, MR2 or the included NTi Audio Test CD
Noise Curves	Noise Rating NR in accordance with ISO 1996 Noise Criteria NC in accordance with ANSI S12.2-2008 and -1995 Room Noise Criteria RNC in accordance with ANSI S12.2-2008 Room Criteria RC in accordance with ANSI S12.2-1995 Preferred Noise Criteria in accordance with ASA 1971 Application range of measurement microphones: M2230: down to NC15 M2211: down to NC15 M4260: down to NC27
1/12 Octave Analysis (optional)	Actual level, Leq, Lmin, Lmax Selectable 1/1, 1/3, 1/6 and 1/12 octave spectral resolution Measurement Units: Volt, dBu, dBV and dBSPL Capturing of multiple readings into the internal memory Comparing measurement results against captures with relative or absolute curve display Comprehensive tolerance handling Creating tolerance masks based on captures for passed/failed measurements



Cinema Meter (optional)	 Measurements in 1/3 octave resolution in accordance with SMPTE ST 202:2010 and SMPTE RP 200:2012 An interactive assistant guides the user through dedicated measurement procedures.
STIPA Speech Intelligibility (optional)	Single value STI and CIS test result in accordance with IEC 60268-16, ISO 7240-16, ISO 7240-19, DIN VDE 0828-1, DIN VDE 0833-4, BS 5839-8, NFPA 72 Ambient noise correction Automated averaging of measurements Modulation indices and individual band level results with error indicator Test signal: NTi Audio STIPA signal generated by the MR-PRO, NTi Audio TalkBox or the STIPA Test CD

Audio Analyzer	
Conforms with Stan- dards	• IEC 61672, IEC 60651, IEC 60804 • DIN EN 60065, VDE 0860, IEC 468-4
Level RMS	 True RMS detection in V, dBu, dBV and dBSPL Range XLR/RCA input: 2 μV - 25 V (-112 dBu to +30 dBu) Accuracy: ± 0.5 % @ 1 kHz, Flatness: ± 0.1 dB @ 12 Hz to 21.3 kHz Bandwidth (-3 dB): 5 Hz to 23.6 kHz Resolution: 3 digits (dB scale),5 digits (linear scale) or 6 digits (x1 scale)

Real-Time Analyzer RTA	Following measurement functions offer audio spectrum in Volt, dBu and dBV • Sound Level Meter • FFT • 1/12 Octave (optional)
Frequency	 Range: 9 Hz to 21.3 kHz Resolution: 6 digits Accuracy: < ± 0.003%
THD+N (Total Har- monic Distortion + Noise)	Range: -100 dB to 0 dB (0.001% to 100%) Minimum level: > -90 dBu Fundamental frequency range: 10 Hz to 21.3 kHz Measurement bandwidth: 2 Hz to 23.6 kHz Resolution: 3 digits (dB scale) or 4 digits (linear scale) Residual THD+N @ XLR/RCA input: < 2 µV
Scope	Auto ranging, auto scaling
Filter	 Frequency weighting: A, C, Z Highpass 100Hz, 400 Hz, 19 kHz, Bandpass 22.4 Hz - 22.4 kHz in accordance with IEC468-4
Remote Measure- ment (optional)	Ouerying measurement data online via the USB interface of the following functions: • Sound level meter and spectrum analyzer SLMeter/RTA • FFT analyzer • Audio analyzer RMS/THD+N • High resolution spectral analyzer 1/12 Oct + Tol

Input / Outpu	ut Interfaces
Audio Inputs	XLR balanced with input impedance = 200 kOhm, phantom power: +48 V switchable, automated sensor detection for NTi Audio's ASD measurement microphones and pre-amplifier MA220 RCA unbalanced with input impedance >30 kOhm Built-in condenser microphone for polarity testing, delay measurements and voice note recording
Audio Outputs	Built-in speaker Headphone connector, 3.5 mm Minijack; mono monitor wired to both channels of stereo jack
USB Inter- face	USB mini connector for data transfer to PC, XL2 Projector and/or charging of Li-Po battery
Digital I/O	Connection interface to accessories • XL2 Input Keypad • Digital I/O Adapter Box • Digital I/O Adapter PCB
TOSLink	24 bit linear PCM audio signal output (prepared for later firmware extension)

Memory	SD Card included (8 GByte), removable, storing measurement data in ASCII format, screen shots, voice notes and wav-files Data logging every second offers following noise monitoring periods: • Logging default noise levels: > 2 years • Additional logging of 1/3 octave data: > 6 month • Additional » compressed audio recording: > 1 week » linear audio recording: > 15 hours Optional 32 GB SD Cards are available for longer monitoring requirements.
Power Supply	Rechargeable Li-Po battery included Type 3.7 V / 2260 mAh Typical battery lifetime > 4 hours Range: 3.3 - 4.5 VDC Dry cell batteries type AA, 4 x 1.5 V Typical battery lifetime > 4 hours Range: 3.7 - 6.0 VDC Linear external power supply 9 VDC Range: 7.5 - 20.0 VDC @ minimum 6 Watt Charges Li-Po battery during operation USB-Power Supply



General	
Clock	Real-time clock with lithium backup battery
Calibration	Recommended calibration interval: one year Microphone calibration with external calibrator supported Optional calibration certificate for new instruments available
Mechanics	 Tripod or microphone stand mount 1/4" Wire stand mounted on rear side Display: 160 x 160 pixels grey scale with LED back light Dimensions (L x W x H) » 180 mm x 90 mm x 45 mm » 7.1" x 3.5" x 1.8" Weight: 480 g (1 lb) including built-in Li-Po battery
Temperature	-10 °C to +50 °C (14° to 122°F)
Humidity	5% to 90% RH, non-condensing
Susceptibil- ity to radio frequencies	Classification Group X
Electromag- netic Com- patibility	CE compliant: EN 61326-1 Class B, EN 55011 class B EN 61000-4-2 to -6 & -11
Protection Rating	IP51
ATEX	 For applications in explosive atmospheres within zone 2 in accordance with IEC 60079 Conforms to 94/9/EC

All specifications are according to the IEC61672 standard. Other applicable standards are listed the corresponding specification position.



20. Technical Data Microphones

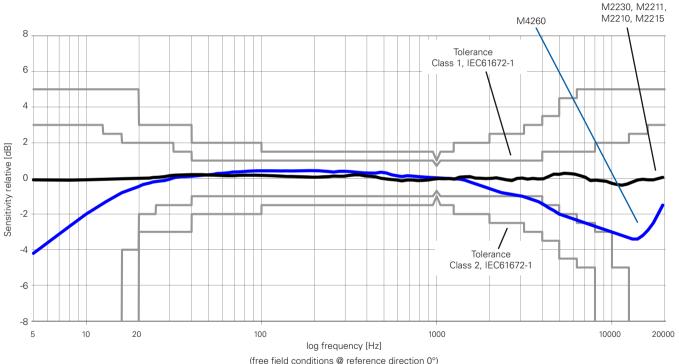
	M2230 Class 1 Certified	M2230-WP Class 1 Outdoor Microphone (M2230+WP30)	M2211 Frequency Response Class 1	M2215 High SPL Frequency Response Class 1	M4260 Class 2
Consisting of	PreAmplfier MA220 + MC230 or MC230A Capsule	PreAmplfier MA220 + MC230 or MC230A Capsule + WP30	PreAmplfier MA220 + M2211 Capsule	PreAmplfier MA220 + M2215 Capsule	M4260 microphone with permanently installed capsule
Microphone Type		Omn	idirectional, pre-pola free field micro		
Classification according IEC 61672 and ANSI S1.4	Class 1 Certified	Class 1	Frequency Clas	Response ss 1	Class 2
Capsule / Transducer		1/2" detachable with 60UNS2 thread, type WS2F according IEC 61094-4			1/4" permanently installed
PreAmplifier Type		MA220			-
Flatness tolerance bands typical	±1 dB @ 5 Hz - 20 Hz ±1 dB @ >20 Hz - 4 kHz ±1.5 dB @ >4 kHz - 10 kHz ±2 dB @ >10 kHz - 16 kHz ±3 dB @ >16 kHz - 20 kHz		+1/-4.5 dB @ 5 Hz - 20 Hz ±1.5 dB @ >20 Hz - 4 kHz ±3 dB @ >4 kHz - 10 kHz ±4.5 dB @ >10 kHz - 16 kHz ±5 dB @ >16 kHz - 20 kHz		
Actual Frequency Response	freely available as Excel-data, register microphone at My NTi Audio and contact info@nti-audio.com				
Frequency Range	5 Hz - 20 kHz				
Residual Noise Floor typical	16 d	16 dB(A) 21 dB(A) 25 dB(A)		29 dB(A)	
Maximum SPL @THD 3%, 1 kHz	137 dBSPL		144 dBSPL	153 dBSPL	144 dBSPL



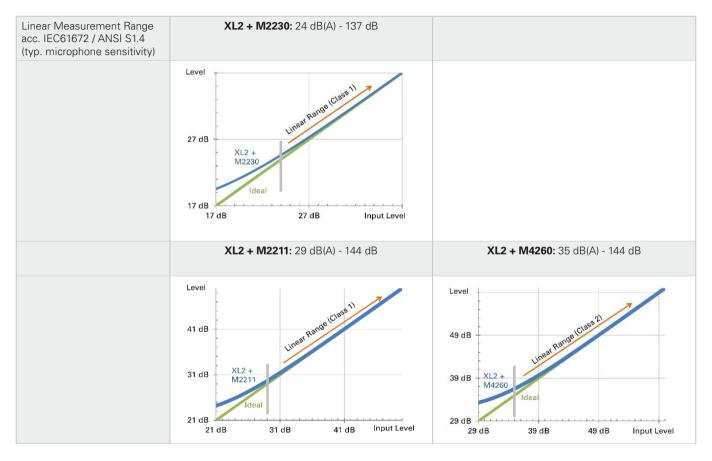
	M2230 Class 1 Certified	M2230-WP Class 1 Outdoor Microphone (M2230+WP30)	M2211 Frequency Response Class 1	M2215 High SPL Frequency Response Class 1	M4260 Class 2
Sensitivity typical @ 1 kHz	-27.5 dBV, (42 m		-34 dBV/Pa ±3 dB (20 mV/Pa)	-42 dBV/Pa ±3 dB (8 mV/Pa)	-31.7 dBV/Pa ±3 dB (26 mV/Pa)
Temperature Coefficient	< -0.01	dB/°C	< ±0.01	5 dB / °C	< ±0.02 dB / °C
Temperature Range			o +50°C o 122°F)		0°C to +40°C (32°F to 104°F)
Pressure Coefficient	-0.005	dB / kPa	-0.02 c	IB / 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	N	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")	20.5 mm (0.8") 36 mm (1.4") 20.5 mm (0.8")			8")
Length Dimensions	154 mm (6.1") 378 mm (14.9") 150 mm (5.9")			9")	
Weight	100 g, 3.53 oz	430 g, 15.17 oz	100 g, 3.53 oz 83 g, 2.93 oz		83 g, 2.93 oz
Environmental Protection	IP51	IP54 in vertical position	IP51		
NTi Audio #	600 040 050	600 040 055	600 040 022	600 040 045	600 040 025



Typical Frequency Response of Measurement Microphones









Free Field - Pressure Correction Factors

If a measurement microphone is held in a free-field environment, then the measurement microphone acts at high frequencies like a reflector. The sound pressure increases in front of the microphone capsule membrane. M2230, M2211 and M2215 are free-field equalized measurement microphones, they compensate for the increased pressure internally.

The calibrator no longer offers free-field conditions. Therefore, the free-field equalization of the microphone must be compensated. This needs to be considered prior the calibration. The correction value needs to be added to the pressure response of the microphone.

Example:

- During the calibration, the XL2 measures the sound level in the calibrator. If the B&K4226 calibrator is used and it is set to 16 kHz, then the XL2+M2230 reads just 86.7 dBA.
- The free-field sound level is calculated by summing the XL2 measurement value and the correction value (86.7 dB + 7.3 dB = 94.0 dB).

The following corrections apply with the B&K4226 calibrator:

Nominal Fre- quency [Hz]	M2230 Measurement Microphone [dB]	M2211 Measurement Microphone [dB]	M2215 Measurement Microphone [dB]	Measurement Uncertainty U [dB]
31.5	0.0	0.0	0.0	0.3
63	0.0	0.0	0.0	0.3
125	0.0	0.0	0.0	0.3
250	0.0	0.0	0.0	0.3
500	0.0	0.1	0.0	0.3
1000	0.0	0.1	0.0	0.3
2000	0.3	0.6	0.2	0.3
4000	0.7	1.7	1.2	0.3
8000	2.6	4.2	3.9	0.4
12500	6.0	7.3	6.7	0.7
16000	7.3	9.2	9.0	0.8

Correction values for other calibrators for M2230:

Туре	Correction Value	Calibration Frequency	Calibration Level
NTi Audio CAL200	0.1	1 kHz	114 dB
B&K 4231	0.2	1 kHz	114 dB
Norsonic Nor-1251	0.2	1 kHz	114 dB



Diffuse Field Correction Factors

A diffuse sound field is characterized by the sound arriving at the receiver from all directions with more or less equal probability. The M2230 is a free-field equalized measurement microphone. The default frequency response refers to a 0° sound incidence. The diffuse-field frequency response is calculated by averaging the M2230-directional characteristics; this results in a reduction at the high frequencies. The individual third-octave band correction values for diffuse-field conditions are documented in the following table. The directional response of the M2230 is described in the appendix.

Example:

- The sound pressure level in a diffuse sound field shall be determined. The display of the XL2 with the M2230 reads 80.0 dBA for the 20 kHz third-octave band.
- The diffuse sound level is now calculated from the sum of the XL2 measurement value and the correction value (80.0 dB + 8.7 dB = 88.7 dB).

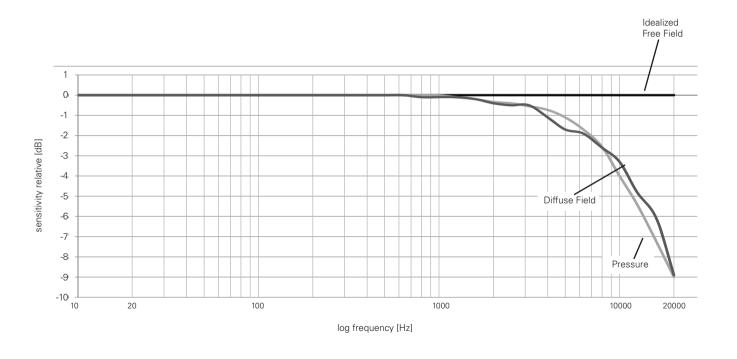


This correction is not necessary using a diffuse field equalized measurement microphone.

Nominal	M2230
Frequency	Microphone
[Hz]	[dB]
<63	0.0
63	0.0
80	0.0
100	0.0
125	0.0
160	0.0
200	0.0
250	0.1
315	0.1
400	0.1
500	0.1
630	0.1
800	0.2
1000	0.2
1250	0.3
1600	0.4
2000	0.5
2500	0.6
3150	0.8
4000	1.1
5000	1.4
6300	1.9
8000	2.5
10000	3.4
12500	4.6
16000	6.4
20000	8.7



M2230 Frequency Response for Free Field, Diffuse Field and Pressure





Spectral Correction for horizontal Sound Incidents using the Outdoor Microphone

The outdoor microphone M2230-WP fulfills Class 1 requirements of IEC 61672 and ANSI S1.4 for vertical sound incidence. For compliance with horizontal sound incidence a spectral correction is employed in the associated XL2 Sound Level Meter.



Nominal Frequency [Hz]	Spectral Correction for horizontal Sound Incidents [dB]	
	1/3 Octave	1/1 Octave
<400	0.0	0.0
400 500 630	-0.1 -0.1 -0.1	-0.1
800 1000 1250	-0.1 -0.2 -0.2	-0.2
1600 2000 2500	-0.2 -0.1 0.2	0.0
3150 4000 5000	0.9 1.9 2.6	1.8
6300 8000 10000	2.6 3.3 4.2	3.4
12500 16000 20000	5.2 5.2 5.2	5.2



21. 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	1.6 μV(A) at C_in 18pF ≙ 12 dBA @ 20 mV/Pa
Frequency Response Flatness	±0.2 dB
Phase Linearity	< 1° @ 20 Hz - 20 kHz
Maximum Output Voltage	21 Vpp ≙ 7.4 Vrms ≙ 145 dBSPL @ 20 mV/Pa, THD 3%, 1 kHz
Electronic Data Sheet	 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. 236