

TECHNICAL SPECIFICATIONS

SOUND LEVEL METER XL3+M2230 / XL3+M2340

Accuracy	<ul style="list-style-type: none"> Class 1 according to IEC 61672 and ANSI S1.4 Type-Approved configuration with TA-Option System Self-test (CIC) with M2340 microphone
Level	<ul style="list-style-type: none"> Frequency weighting: A, C, Z Time weighting: Slow, Fast Min, Max, Peak, EQ, EQT, Taktmax
Functionality	<ul style="list-style-type: none"> Single measurement range: 17 dBA - 137 dB Frequency range: 4.3 Hz - 23 kHz Level limits Logging interval 1 s Voice notes (planned)
Audio	<ul style="list-style-type: none"> Compressed (ADPCM), 24 kHz, 12 kHz
Extended Noise Measurement Option	<ul style="list-style-type: none"> Sound Exposure Level LAE Time weighting: Impulse Percentile statistics L% Logging 100 ms (broadband, spectrum) Audio: 24, 32 bit with 12, 24, 48, 96 kHz Level-time history graph (planned) Back-erase (planned) Pre-trigger (planned)

SPECTRAL ANALYZER

Accuracy	<ul style="list-style-type: none"> Class 1 according to IEC 61260 and ANSI S1.11
Frequency range	<ul style="list-style-type: none"> Octave band: 8 Hz - 16 kHz 1/3 octave band: 6.3 Hz - 20 kHz
Functionality	<ul style="list-style-type: none"> Filter base 10 Leq with frequency weighting A, C, Z Spectrum logging Leq, Lmin and Lmax

REVERBERATION TIME

Accuracy	<ul style="list-style-type: none"> ISO 3382 and ASTM E2235 Schroeder backward integration
Functionality	<ul style="list-style-type: none"> Octave band: 63 Hz - 8 kHz Measurement parameters T20, T30 Impulse and interrupted noise source Automatic averaging for position & room
Extended Room Acoustics Option	<ul style="list-style-type: none"> 1/3 octave band: 50 Hz - 10 kHz T20, T30, T15, EDT simultaneously Audio recording Minimum trigger level Decay curve (planned)

more specifications will soon be available in the user manual

BUILDING ACOUSTICS (optional)

Standards	<ul style="list-style-type: none"> ISO 16283 and ISO 717 Airborne and impact sound insulation
Functionality	<ul style="list-style-type: none"> Results shown on XL3 Averaging of source and receiving room Requires Extended Room Acoustics Option
Results	<ul style="list-style-type: none"> D, Dn, DnT and R' Chart and table

INTERFACES

Input	<ul style="list-style-type: none"> XLR balanced with 48 V phantom power
Network	<ul style="list-style-type: none"> Wi-Fi integrated (2.4 GHz) LAN via USB adapter USB-C as host or slave, USB-A as host Data and website access via USB Web server, ftp, ntp 4G/5G via optional external gateway Remote access connect.nti-audio.com (optional)
API-interface Option	<ul style="list-style-type: none"> Data and audio streaming Control, configuration & data retrieval
Digital I/O	<ul style="list-style-type: none"> Connection of accessories SDI-12 and 1-Wire
Memory	<ul style="list-style-type: none"> Removable SD card with 32 GB memory Supports external hard disk
Further Functionalities	<ul style="list-style-type: none"> Automatic microphone detection (ASD) Built-in microphone for voice notes Loudspeaker Headphone/line output: 3.5 mm jack, stereo
Power supply	<ul style="list-style-type: none"> Removable battery (Li-Po) Battery life > 8 hours Power supply 9 VDC, USB-C

GENERAL

Display	<ul style="list-style-type: none"> 4.3" IPS color display with capacitive touch 480 x 800 pixels
Mechanics	<ul style="list-style-type: none"> 1/4" tripod mount Folding stand
Dimensions	<ul style="list-style-type: none"> 210 x 85 x 45 mm, 8.3 x 3.3 x 1.8" (L x W x H)
Weight	<ul style="list-style-type: none"> 510 g, 18 oz

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XL3

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