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New PTB Certificate for XL2-TA Sound Level Meter



The XL2-TA Sound Level Meter provides the solution for legally-binding measurements. The national metrology institute of the Federal Republic of Germany, PTB (Physikalisch-Technische Bundesanstalt), has approved the new firmware V3.11 for the XL2-TA Sound Level Meter. This benefits customers with increased levels of data security and other new features.

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The XL2-TA together with the M2230 measurement microphone and the ASD Cable make up a verifiable Class 1 Sound Level Meter according to the IEC 61672 and IEC 61260 standards. The compatibility of the sound level meter with the new firmware V3.11 has been independently certified, according to these standards, by PTB in Braunschweig, Germany. Thus the XL2-TA Sound Level Meter is now available with an expanded range of functions for legally-binding monitoring of environmental noise, noise at work and airborne sound insulation.

XL2-TA fulfills WELMEC Requirements for Software Security

Berno Nigsch, Project Manager of NTi Audio, says, "The new PTB certificate also confirms the compliance of the XL2-TA recorded data to the security requirements of WELMEC. Customers gain not just an expansion of functions, but also seamless traceable recorded data." (WELMEC is the designated European umbrella organization for national metrology institutes.)

Measurement Data with Certificate of Authenticity

The measurement data is stored in the XL2-TA Sound Level Meter with a checksum. This ensures the authenticity of the test results and prevents inadvertent manipulation of data by a third party. The originality of a measurement report can at any time be confirmed using the "XL2 File Validator" software. This PC program compares the contents of a measurement report(s) to the stored checksum at the touch of a button.

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Extended Noise Nuisance Assessment with Input Keypad

Special acoustic events during a measurement can be labelled by the complainant pressing a button. The XL2-TA Sound Level Meter then records the audio data as a wav file. Now this event recording can be terminated manually or automatically according to the requirements. As a further extension, percentile statistics are offered individually in the range of 0.1% to 99.9% for broadband and 1/3rd octave measurements. The XL2-TA thus provides a flexible solution for professional sound level measurements.

Advanced RT60 reverberation measurement for XL2-TA

The XL2-TA Sound Level Meter offers accurate and extensive RT60 measurements. In addition to the T20 procedure already available, the meter now determines the reverberation time using the T30 measurement method. This enhancement corresponds to the current ISO 3382 standard. Either an impulse source or clocked noise may be used as the test signal.

XL2 with Type Approval Option forms XL2-TA

The XL2-TA Sound Level Meter is formed by adding the Type Approval Option to any XL2 Analyzer. All customers may upgrade their XL2 Analyzers to a type approved XL2-TA by installing the Type Approval Option. The event function, percentile and reverberation time measurements in 1/3rd octaves are available with the optional Extended Acoustic Pack.



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