



Certificate of Compliance

Certificate Information

Description: Certification of Compliance to IEC and ANSI Requirements for Sound Level Meters, Weighting Filters and Proportional Octave Band Filters

Hardware Information

Applicable to National Instruments Model Number PCI/PXI-446x, PCI/PXI-447x, PXI-449x, USB-923x and USB-443x Dynamic Signal Analyzers

Software Information

Nelson Acoustic Software Trident Version 6.x multi-channel acoustic analysis software using National Instruments Sound and Vibration Toolset sound level meter detector and filtering software

Nelson Acoustics certifies that at the time of manufacture, the above hardware, when used together with the above software and the appropriate microphone, preamplifiers and cable, complies with the requirements of the following standards and sound level meters and filters

IEC 61672-1:2002 – Electroacoustics, Sound Level Meter, Specifications. Class 1 Instrument

ANSI S1.4-1983 (R2006) – American National Standard for Sound Level Meters

IEC-61260-1995 - Electroacoustics, Octave-band and fractional-octave-band filters. Class 1

ANSI S1.11-2004 - Octave-Band and Fractional-Octave-Band Analog and Digital Filters. Class 1

ANSI S1.42-2001 (R2011) - Design Response of Weighting Networks for Acoustical Measurement

Nelson Acoustics further certifies that the measurement standards and instruments used during the certification of this product are traceable to the National Institutes of Standards and Technology and are derived from accepted values of natural physical constants. Certification was conducted in a laboratory accredited to the requirements of ISO 17025.

For questions or comments, please contact Nelson Acoustic Software for technical support.

This certificate is subject to and does not supersede the terms of sale of the above hardware and software