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NTi Audio launches FLEXUS Audio Analyzer

Schaan, Liechtenstein. The Test & Measurement solution provider NTi Audio AG, unveils its new FLEXUS Audio Analyzer. It features a convincing modular concept and flexible configurations. Outstanding specifications paired with the latest technologies such as fast sweeps make the FX100 Analyzer equally attractive for R&D as well as high speed production testing applications.

The FLEXUS Audio Analyzer offers a modular hardware concept, which allows customization for two or four parallel channel operation. The impedance module supports speaker measurements for obtaining impedance plots and Thiele-Small-parameters. Individual input switcher and output switcher modules extend the audio analyzer to 14 input channels or 14 output channels connected simultaneously. The FX-Control suite operates several FX100 in parallel thus offering cascaded system measurements.

Scalable Architecture

"The modular concept was an essential design criteria for optimally meeting the customers needs", says Philipp Schwizer, CEO of NTi Audio, "This feature ensures the best possible match of the equipment to the application and guarantees lowest cost of ownership."

For measurement speed optimization, the FLEXUS Audio Analyzer acquires all measurement functions in parallel. State-of-the art measurement technologies comprising of fast glide sweeps (Farina sweep), detailed stepped sweeps and a continuous meter mode further support fast and accurate measurements.

Superior Specifications

The wide level range from 1 μ V - 200 Vp paired with a typical THD+N of -104 dB enables the FX100 to cope with comprehensive audio and acoustic analysis for research and design labs. The FX100 Audio Analyzer offers a wide frequency range from 5 Hz up to 80 kHz and simultaneous measurement of the DC voltage. Thus the FX100 provides detailed DC and audio frequency analysis within the same configuration.

The high-resolution FFT with 192 kHz sampling rate presents a detailed analysis of the audio frequency spectrum. FFT graph panels may be customized showing one or more traces in the same panel simultaneously.

Detailed R&D measurements are supported with Frequency, Amplitude, Time and Table Sweeps, which may trigger with internal or external signals.

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FX-Control Suite

The FX100 Audio Analyzer includes the FX-Control Suite software, which provides straight-forward access to all audio analyzer features. The flexible architecture supports all demands for intuitive setup of single, parallel or sequential measurement. Individual configuration and result panels may be displayed on various work sheets.

Individual measurements may be combined to test sequences, including tolerance handling and Pass/Fail result, creating an easy operator test flow. The software utilizes the advantages of state-of-the-art ribbon architecture for today's and future measurement applications.

The FX-Control Suite software supports all .NET programming languages, such as C#.NET and Visual Basic.NET. This implies fast and easy integration into customized production solutions.

Furthermore FX-Control can be configured to illustrate the external hardware wiring. This ensures fast setup by sending the project configuration to the production lines around the globe.

For more information visit NTi Audio at www.nti-audio.com/FLEXUS.

About NTi Audio

NTi Audio AG develops highly qualified and customized measurement solutions for the pro audio and telecommunications industry. NTi Audio's main product lines are the handheld EXEL line, the A-Series audio analyzers, the RAPID-TEST production line test systems as well as complete turnkey tests solutions based on PureSound – a unique defects analysis technology. The headquarters of NTi Audio are in the Principality of Liechtenstein (Europe). Factory offices also include NTI Americas Inc in Portland, NTI China in Suzhou with support branches in Beijing and Shenzhen, NTI Japan in Tokyo and NTi Audio Prague. NTi Audio AG is the new company name of the earlier NTI AG.

Information for journalists:

Hi-res product pictures are available at the NTi Audio website - press area:

www.nti-audio.com/press