

Press Info

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NTI end-to-end Speech Intelligibility Testing System

Schaan, Liechtenstein – At the 121st AES Convention in San Francisco, NTI will show their complete and improved microphone-to-loudspeaker STI-PA speech intelligibility testing system.

Unlike systems without a calibrated acoustical source, the NTI system provides users with the choice of either testing electrically from a system line input, or completely end-to-end, using the NTI TalkBox as the acoustical stimulus source.

Using the AL1 Acoustilyzer, a complete STI-PA test for speech intelligibility of a sound or life/safety system may be completed in about 15 seconds. For complete freedom from AC mains power availability, the system now includes an available external Li-Ion battery pack for the NTI TalkBox. The power pack mounts to the side of the TalkBox and connects electrically with a short link cable. Once charged, the battery supplies about 12 hours of uninterrupted power for the NTI TalkBox.

Another new NTI system tool solves the problem of minimizing the noise problems caused by the need to test public spaces during periods of peak occupancy together with their realistic ambient noise. This level of test signal is often either not practical or not allowed in large occupied public spaces. To solve this problem, NTI offers a software tool to superimpose data from peak hour (occupied) ambient noise onto the separately-acquired STI-PA measurements taken at off-peak periods. The software reprocesses the modulation transfer function and calculates the new STI-PA value for the real-world peak-hours occupancy.

Testing public address and emergency evacuation systems for speech intelligibility is already required in Europe, and new US rulemaking will soon begin to mandate it as well, starting in government and institutional buildings and facilities.

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NTI at:

121st AES Convention

Moscone Center
San Francisco
Oct. 6 – 9, 2006
Booth# 836

Tonmeistertagung

Leipzig, Germany
Nov. 16 – 19, 2006

Integrated Systems

Amsterdam, Holland
Jan 30 – Feb 1, 2007
Booth# A111



In addition to having one of the most technically comprehensive and robust measurement solutions, the NTI STI-PA test system is also extremely cost efficient when compared to other currently available systems.

For sales information, please contact your nearest NTI factory office or authorized distributor. For technical or product-related questions please contact NTI support specialists at support@nti-audio.com .

For media information or evaluation requests please contact:

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Product pictures are available for download in the press section at:
www.nti-audio.com

About NTI

NTI AG develops highly qualified and customized measurement solutions for the Pro-Audio and telecommunications industry. NTI's main product lines are the Minstruments, the A-Series audio generators, and the RAPID-TEST voice band production line test systems as well as complete loudspeaker tests solutions based on PureSound. The headquarters of NTI are in the Principality of Liechtenstein (Europe). Subsidiaries are NTI-Americas in Portland as well as NTI Japan in Tokyo.