

EXEL Line for AVI-Installations



Exel Line: NTi Audio TalkBox with
XL2 Audio and Acoustic Analyzer

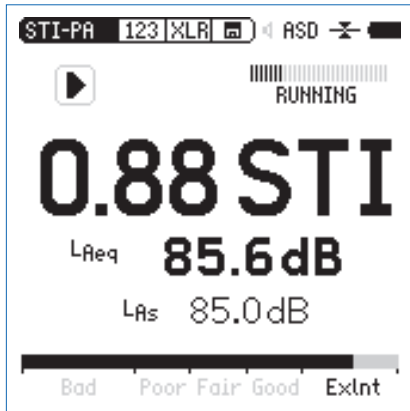


Applications

- Conference and tele-presence system installations
- Commissioning and verification of electro-acoustic installations
- Confirm compliance with manufacturers system specifications
- Tune and optimize audio systems
- Maintenance and periodic performance check

Advantages

- TalkBox offers a calibrated sound source for objective simulation of speaking persons into a microphone
- Improved and verified speech intelligibility STI-PA at each seat in the conference room
- All measurement results for are stored for documentation to SD Card



XL2 Screenshot STI-PA Measurement

XL2 Analyzer Functions

- Sound pressure level SPL
Setting up of sound levels for best performance.
- Real time analyzer RTA
Fine tuning the system performance with pink noise. The reference spectra of speakers may be captured for comparative measurements, thus achieving the same sound performance.
- 1/12 octave analysis
Loading standardized X-Curve tolerance bands according ISO 2969 or SMPTE 202M for reference measurements with selectable 1/1, 1/3, 1/6 or 1/12 octave band resolution.
- FFT analysis
Analysis of reflections and cancellations (comb filter effects) for improving the room architecture and speech intelligibility.
- RT60 reverberation time
Verifies the room acoustics for optimized system performance and speech intelligibility.
- Polarity
All speakers shall be verified for the same polarity, thus achieving a broad stereo sound image.
- Line level RMS and THD+N
Verifies and troubleshoots the audio system performance.
- Speech intelligibility STI-PA
Measures the speech intelligibility of conference systems using the TalkBox as signal source.



Exel Line: Minirator MR-PRO generates test signals

NTi Audio TalkBox Functions

- Acoustic Sound Source
The NTi Audio TalkBox generates the acoustic and line reference signals for system verification and speech intelligibility measurement.

Minirator MR-PRO Functions

- Signal Generator, Cable Tester



Exel Acoustic Set

Order Information	NTi Audio #
Exel Acoustic Set Class 2, with M4260 Measurement Microphone	600 000 400
Exel Acoustic Set Class 1 frequency response with M2210 Measurement Microphone	600 000 410
NTi Audio TalkBox	600 000 085
Spectral Limits Option for XL2	600 000 376

For more information please visit www.nti-audio.com/exel.