Feature Sheet – Version 13

	Basics	Industrial	Auditorium	Combined	Comments
Supported ISO standards					
ISO 3382-1			√	√	For performance places
ISO 3382-2	√	√	√	√	For ordinary rooms
ISO 3382-3	√	√	√	√	For open plan offices
ISO 14257	√	√	√	√	Workplaces
IEC 60268-16	√	√	√	√	Speech Transmission Index
Room Acoustic Parameters					
Sound Pressure Level (SPL)	√	√	√	√	
SPL(A), SPL(C), SPL(Lin)	√	√	√	√	
Spatial Decay DL_2	√	√	√	√	
Reverberation Time T_{30}	√	√	√	√	
Early Decay Time EDT	√	√	√	√	
Speech Transmission Index STI	√	√	√	√	
Sound Strength G	√	√	√	√	Calculated for source with 0 dB SPL on axis at 10m
Centre Time T_s			√	√	Used only in auditorium and concert hall acoustics
Clarity C_{80}			√	√	
Deutlichkeit D_{50}			√	√	
Early Late Energy Fraction LF_{80}			√	√	
Lj parameters			√	√	
IACC			√	√	Degree of spatial impression
Early/ late/ total Support (ST)			√	√	Stage parameters
Editing Room Acoustic Parameters			√	√	Modify/create new ones
Global Parameters					
Global Reverberation Time, T_{30}		√	√	√	An average of the whole room
Global Reverberation Time, T_{20}		√	√	√	
Sound Sources					
Point sources	√	√	√	√	
Line sources		√		√	Used mainly in industrial applications
Surface sources		√		√	

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Array Sources			√	√	Used mainly for PA systems
Tools					
Multi-point Response	√	√	√	√	For industrial applications, Multipoint response has the relevant parameters
Diffraction over screens	√	√	√	√	Only for point sources
Noise control tools	√	√	√	√	
Quick Estimate	√	√	√	√	Simple calculation of RT
Transmission	√	√	√	√	For airborne sound insulation studies
Bounding Box	√	√	√	√	Helps performing outdoor simulations
Grid Response		√	√	√	Used to optimize sound quality in auditoria and concert halls
Instant 3D direct map		√	√	√	Shows the distribution of direct sound
3D Billard		√	√	√	Useful for visualizing acoustics and detecting serious acoustic problems
Auralisation			√	√	Used mainly in non-industrial applications. For simulations / measurements
Decay curves			√	√	Show the quality of energy decay per octave band
Decay Roses			√	√	Show the amount of energy arriving at specific time intervals
Genetic Material Optimizer			√	√	Automatic adjustment of materials in a model to match measured data.
Reflectogram			√	√	
Reflection path analysis			√	√	
Reflector coverage			√	√	
Single Point Response			√	√	
Measuring System					
Recording impulse response	√	√	√	√	Sweep method
Processing impulse response	√	√	√	√	Loads any .WAV file
Importing measured data to multi-point response	√	√	√	√	Compare measurements and simulations side by side