

Function	Default	Options						
	included with XL2	Extended Acoustic Pack	Spectral Limits	Cinema Meter	STIPA	Remote Meas.	Type Approval certified	Data Explorer
Sound Level Meter / Real Time Analyzer	•							
SPL actual, Leq, Lmin, Lmax, Lpeak	•							
Frequency weighting A, C, Z	•							
Time weighting: Fast, Slow	•							
Time weighting: Impulse	•	•						
Correction values k1, k2	•							
Gliding LAeq with flexible setting from t = 5" to 60'	•							
Capturing of single reading into the internal memory for comparative measurements	•							
Logging all data or subsets in selectable intervals	•							
100 ms Data Logging	•	•						
Recording of compressed wav-files and voice notes	•							
Recording of linear wav-files (24 bit, 48 kHz)	•	•						
Digital I/O interface for control external peripherals	•							
Limit monitoring showing exceeding sound levels	•							
Real Time Analyzer with 1/1, 1/3 frequency resolution and wide band level	•							
X-Curve frequency weighting in Real Time Analyzer Spectrum	•						disabled	
Percentile statistics for Lxy (x= A, C or Z, y= F or S):								
0.1 - 99.9%		•						
Event-triggered audio and data recording		•						
Sound Exposure Level LAE		•						
Sound Pressure Level Lxleq (with x= A, C, Z)		•						
TaktMax and values as specified in DIN 45645-1		•						
True Peak Level in 1/1 and 1/3 octave resolution		•	•	•			disabled	
Querying measurement data online via the USB interface						•		
Comprehensive analysis of logged noise monitoring data								•
FFT Analysis	•							
Fixed frequency band ranges: 7 Hz - 215 Hz, 58 Hz - 1.72 kHz, 484 Hz - 20.5 kHz with 143 frequency bins shown on display	•							
Measurement Units: Volt, dBu, dBV and dBSPL	•							
High-resolution Zoom-FFT, up to 0.4 Hz resolution in the range of 5 Hz - 20 kHz		•	•	•				
Capturing of multiple readings into the internal memory			•	•				
Comparing measurement results against captures with relative or absolute curve display			•	•				
Comprehensive tolerance handling			•	•				
Creating tolerance masks based on captures for passed/failed measurements			•	•				
Querying measurement data online via the USB interface						•		
Reverberation Time RT60	•							
1/1 octave bands results from								
63 Hz - 8 kHz, based on T20 & T30	•							
1/3 octave bands results from								
50 Hz - 10 kHz, based on T20 & T30		•						
Delay Time	•							
Polarity	•							
1/12 Octave Analyzer			•	•				
Selectable 1/1, 1/3, 1/6 and 1/12 octave spectral resolution			•	•				
Measurement Units: Volt, dBu, dBV and dBSPL			•	•				
Capturing of multiple readings into the internal memory			•	•				
Comparing measurement results against captures with relative or absolute curve display			•	•				
Comprehensive tolerance handling			•	•				

Creating tolerance masks based on captures for passed/failed measurements				•	•				
Frequency band listening at rear speaker				•	•				
Querying measurement data online via the USB interface							•		
Noise Curves				•	•				
Speech Intelligibility STIPA							•		
Audio Analyzer	•								
Level RMS	•							unit SPL disabled	
Frequency weighting: A, C, Z Highpass 400 Hz, Highpass 19 kHz, Bandpass 22.4 Hz - 22.4 kHz	•								
Real-Time Analyzer RTA	•								
THD+N (Total Harmonic Distortion + Noise)	•								
Frequency	•								
Querying measurement data online via the USB interface							•		
Oscilloscope	•								
Cinema Assistant					•				
Profiles for Basic User Applications	•								
Automated Sensor Detection ASD of connected measurement microphone	•								