

831 Integrating Sound Level Meter	standard functions	Firmware Options						
		OB3	LOG	ELA	SR	IH	RT	FFT
Frequency Weighting in parallel: A, C, Z	√							
Time Weighting in parallel: F, S, I, Peak, TWA	√							
Broadband Statistics Ln values	√							
Voice Annotation	√							
Back Erase	√							
Community Noise (Lday, Lnight, Lden)	√							
Session Log (logging the time of operations : e.g. start / stop / calibration)	√							
1/1 Oct (8 Hz to 16kHz) and 1/3 Oct band (6.3 Hz to 20 kHz)		√						
Leq, Lmax and Lmin spectrum		√						
Statistical Spectral Ln		√						
Data logging (Time History) - interval 20ms to 24 hours			√					
Markers in profile display			√					
Spectral Leq, Lmax, Lmin logging (Time History)			OB3					
Broadband Statistics Ln / interval			√	√				
Measurement History - repeat measurement in interval (1 min to 24 hours)				√				
Event logging (Event Leq, Lmax, MaxP)				√				
Event Time History logging (interval down to 20ms; need 831-LOG)				LOG				
Statistical Spectral Ln / interval (need 831-OB3)				OB3				
Interval Time Synchronization (start measurement at multiple of interval)				√				
Timers (automatic start/stop at predefined periods + continuous mode)				√				
Sound Recording and Replay (activated manually)					√			
Exceedances Sound Recording					ELA			
Sound Recording activated by marker					LOG			
Industrial Hygiene (Dose, E, E8, E40)						√		
Reverberation Time RT60 measurement according to ISO 3382-2							√	
FFT Analysis (6400 lines)								√

Remark : specifications may be changed without prior notice due to continuous product improvement