

SOUND LEVEL METER

BSWA 801/803/805

BSWA 800 series Sound Level Meter is the OEM version of Svantek Sound Level Meter with integration of BSWA microphones. There are three models with different configure.

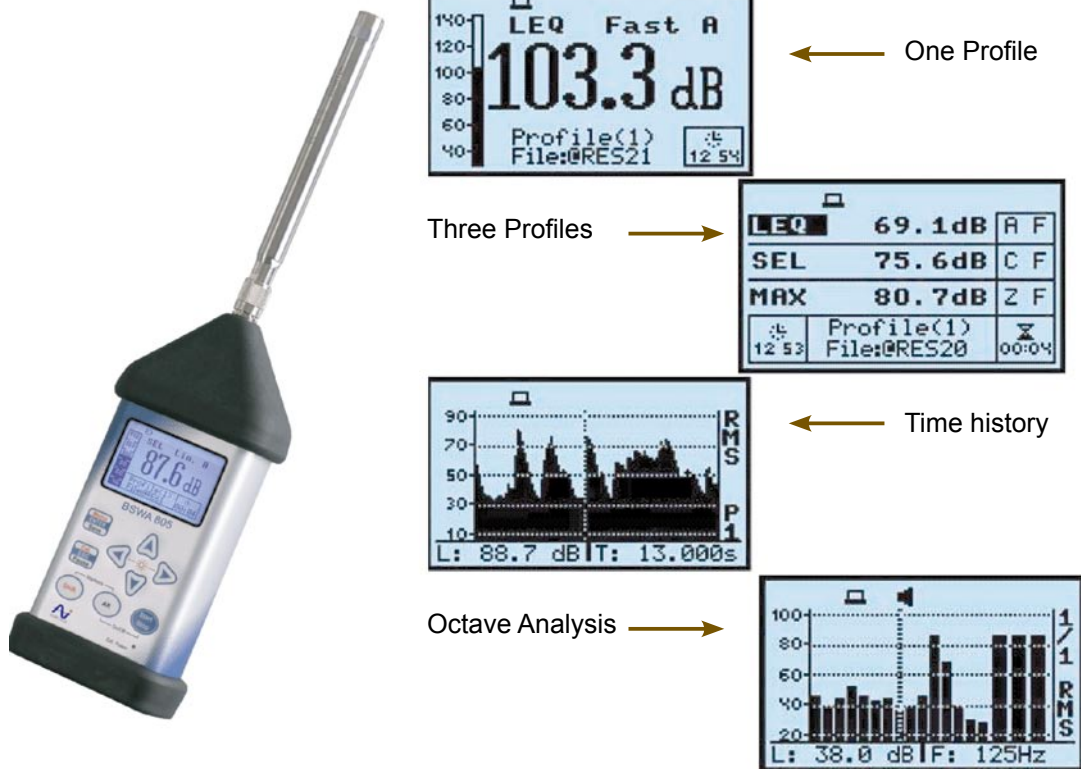
BSWA 801 is a Low cost Sound and Vibration Analyzer with time domain signal recording option. It is Class 1 sound & vibration level meter with many analysis capabilities, such as reverberation time, loudness, and FFT. It is intended to general acoustic and vibration measurements and analyses,

BSWA 805 is all digital, Class 1 sound level meter intended to general acoustic measurements, environmental noise monitoring, occupational health and safety monitoring.

BSWA 803 is Class 2 sound level meter along with analyzer. It is intended to general acoustic measurements, environmental noise monitoring, occupational health and safety monitoring.

All the test data can be saved in instrument or exterior USB disk, and the data can be downloaded easily to PC for more application.

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SPECIFICATIONS

Mode	805	803	801
ModeStandard	IEC 61672 Class 1	IEC 61672 Class 2	IEC 61672 Class 1
Level Meter	SPL, Leq, SEL, Lden, Ltm3, Ltm5, statistics - Ln (L1~L99), LMax, LMin, LPeak, Time History Simultaneous measurement in three profiles with independent set of filters and detector time constants		
OCTAVE	No	1/1 Octave*	1/1 Octave 1/3 Octave*
FFT	No	FFT analysis(1920 lines in up to 22.4KHz band)*	FFT analysis(1600 lines in up to 20KHz band)*
Reverberation time	No	No	Yes
Loudness	No	No	Yes
Vibration	No	No	Yes
Dose Meter	IEC 61252*		
Weighting Filters	A, C, Linear		
RMS Detector	Fast, Slow, Impulse		
Range	18dBA(RMS)~141dBA(PEAK)	18dBA(RMS)~141dBA(PEAK)	17dBA(RMS)~140dBA(PEAK)
Linearity Range	25dBA(RMS)~141dBA(PEAK)	26dBA(RMS)~141dBA(PEAK)	24dBA(RMS)~140dBA(PEAK)
Frequency Range	20 Hz~20 kHz	10 Hz~20 kHz	0.5 Hz~20 kHz (accelerometer dependant)
Dynamic Range	120dB	120dB(Lever meter) 100dB(Analysis)	100dB
Time history	RMS / Max / Min / Peak results to internal memory with logging step down to 2 ms or to external USB flash disk *	RMS / Max / Min / Peak results to internal memory with logging step down to 2 ms* or to external USB flash disk * Time domain signal recording on USB flash disk*	RMS / Max / Min / Peak results to internal memory with logging step down to 2 ms or to External USB flash disk Time domain signal recording on USB flash disk*
Input	ICP type, TNC connector		
Display	LCD 128x 64 with backlighting		
Save	16MB flash type External USB flash disk *	16MB flash type External USB flash disk *	32MBflash type External USB flash disk
Interface	USB 1.1 Client USB 1.1 Host*	USB 1.1 Client USB 1.1 Host*	USB 1.1 Client USB 1.1 Host
Power Supply	4AA alkaline batteries or rechargeable batteries / External power supply / USB interface		
Temperature	-10°C to 50°C		
Humidity	Up to 90%		
Size	335 x 82 x 42 mm	300 x 82 x 42 mm	338 x 82 x 42 mm
Weight	About 610 g	About 600 g	About 600 g

Notice : * is optional module