

## Hemsun Analytics

C-101, Ganesh Greens  
Near Vandematram, GST Road,  
Chenpur, Ahmedabad - 382470  
Tel: +91 7383 4660 60/70  
Email: [info@hemsun.co.in](mailto:info@hemsun.co.in)



COMPLETE RANGE OF INDUSTRIAL DIGITAL SOUND LEVEL METER INSTRUMENTS

# Digital Sound Level Meter(USB Interface) HDB 2202



## Product Description

This equipment has been designed to meet the measurement requirement of Safety Engineers, Health, Industrial Safety offices and Sound Quality control in various environment, which include factory, office, traffic, family, and audio system.

## Features

- It is designed according to the IEC651 TYPE2 & ANSI S1.4 TYPE2.
- Accuracy up to +/-1.5dB.
- Measurement range: 30dBA~130dBA.
- With two equivalent weighted sound pressure levels, A and C.
- Fast & Slow dynamic characteristic modes.
- AC and DC output for frequency analyzer level recorder, FFT analyzer, graphic recorder etc.
- PC interface through USB cable

## Technical Specifications

Measurement range	30dBA~130dBA, 30dBA~130dBC
Accuracy	±1.5dB (under reference conditions)
Resolution	0.1dB
Frequency range	31.5Hz~8.5KHz
Level range	30~80, 50~100, 60~110, 80~130, 30~130dB
Linearith range	50dB / 100dB
Frequency weighting	A/C
Digital Display	4digits
Sample rate	2 times/second
Bar graph	50 dB scale at 1 dB step for monitoring current sound pressure level display Sample rate: 20 times/second
Over indication	OVER / UNDER
AC output	0.707V rms at FS output impedance approx. 600 ohm
DC output	10mV/dB, output impedance approx, 100ohm
Time weight	FAST / SLOW
Microphone	1/2 inch electret condenser microphone
Max Hold	MAX
Operating condition	-10~60°C 10%~80%RH
Storage condition	0~40°C 10%~70%RH
Power supply	1.5V AA alkaline cells or DC 6v 100mA (maximum DC9V)
Power life	About 30 hours (alkaline battery)
Self calibration time	3 s
PC Interface	USB Interface
Weight	230g (including battery)
Dimension	256mm x 70mm x 35mm

## Application

- Monitoring workplace machinery
- Installing audio and alarm systems
- Product noise certification and reduction

For Any More Query Regarding Product, please contact us or write us on [info@hemsun.co.in](mailto:info@hemsun.co.in)

The Above Specifications are standard for reference only. Product specifications and measuring ranges can be customize and supplied as per user confirmation.  
Note: Specification and Features mentioned in datasheet will be change with application, Cause of Engineering Research, Design And Product Improvement; specifications are subjected to change without notice. Refer latest datasheet on website : [www.hemsun.co.in](http://www.hemsun.co.in)