

ST-12D

Integrating Class 1 Sound Level Meter

Occupational Noise Measurement
with Optional 1/1 & 1/3 OCT Band



IEC 61672-1: 2013
Class 1 Standard

Comprehensive Noise Analyses

• Integral Analysis

$L_{xy,p}$, $L_{xy,max}$, $L_{xy,min}$, $L_{x,eq,T}$, $L_{x,eq,t}$, $L_{x,peak}$, L_xE , E (X= A, C, Z) (Y = F, S, I, 110)

• Statistical Analysis

$L_{xy,p}$, $L_{xy,max}$, $L_{xy,min}$, $L_{x,eq,T}$, L_xE , LN (N=1~99) : L5, L10, L50, L90, L95, SD, Ldn, Ld, Ln

• 1/1 & 1/3 Octave Band Analysis (Opt.)

$L_{x,p}$, L_{max} , L_{min} , $L_{eq,T}$ Center frequency range: 10Hz ~ 20 kHz

• Exposure Analysis

E, TWA, $L_{ex, 8h}$, LAVG, DOSE

Precise Noise Identification with Regulation Compliance

Offers MP3/WAV recording in 4 GB internal memory with synchronized & triggered modes for precise noise identification, while it performed with Class 1 compliance ensures measurement meet international regulations for occupational safety.

Measurement Range	25 ~ 140 dB (143 dB C Peak)
Accuracy	± 0.5 dB
Analyses	Integrated, Statistical, Exposure, and Spectral
Time Weightings (Y)	Fast, Slow, Impulse, 110
Frequency Weightings (X)	A, C, Z
Audio Recording	Record noise data in MP3/WAV format
Storage Capacity	4 GB internal memory 64 GB SD card
Operation Time	24+ hours by 4x AA alkaline batteries or power via USB-C

Packaging Content

- ST-12D sound level meter
- Windscreen
- USB-C to USB cable
- USB power adapter
- Serial to RS232 cable
- Serial to USB cable
- AA batteries
- Calibration certificate
- User guide
- Waterproof carrying case

Add-on

- Calibrator
- Instant Portable Printer
- Outdoor Kit

