

AWA6228+ Multifunction Sound Level Meter

Applications:

1. Comprehensive noise measurements
2. Environment noise certification
3. Noise profile measurement of industrial noise
4. Peak C sound level measurements
5. Impulse noise measurements
6. Workplace noise assessments
7. Industry boundary assessments

Features:

1. A handheld noise measuring instrument
2. Multifunction and user- friendly sound level meter (integrating SLM, 1/1 OCT, 1/3 OCT analyzer, Noise dosimeter)
3. 240×320 color screen
4. Measurement range 20~142dB
5. Synchronously do statistical, real-time 1/1 OCT, 1/3 OCT, and noise dosimeter measure
6. Comply with IEC 61672 Class 1 and IEC61260 Class 1 and IEC 61252
7. 32G SD card function for precise audio recording, GPS positioning

Specifications

1. Fulfills Standards: IEC 61672 Class 1, IEC 61260 Class 1, IEC61252:2002, IEC 60651:2001 Type 1, IEC 60804: 2000 Type 1, ANSI S1.4: 1983 Type 1, ANSI S1.4A:1985 Type 1, ANSI S1.43:1997 Type 1, ANSI S1.25:1991
2. Microphone + Preamplifier: 1/2" prepolarized condenser microphone+ Preamplifier (Sensitivity Level: -28dB)
3. Correction Function: Diffusion field correction in order to comply with standards ANSI S1.4
4. Preamplifier: AWA14601 removable preamplifier
5. Frequency Range: 10 Hz ~ 20 kHz $\pm$ 1 dB (not including microphone)
6. Total Measurement Range:
 - 1) Low range: (20~132)dBA, (25~132)dB(C), (30~132)dBZ
 - 2) High range: (16~142)dBA, (35~142)dB(C), (40~142)dBZ
7. Self-generated Noise: <12 dB(A), 17 dB(C), 22 dB(Z)
8. Frequency Weighting: Parallel (simultaneous) A, C, Z, B, D and user 1&2-defined weighting
9. Time Weighting: Parallel (simultaneous) F, S, I, Peak
10. A/D Bits: 24 bits
11. Sampling Frequency: 48kHz
12. Calibration: Using Sound Calibrator Class 1 model AWA6221A
13. Correction Function: Diffusion field correction in order to comply with standards ANSI S1.4
14. Delay Time: The meter can delay 0~99s after pressing start measuring button
15. Back Erase Function: Elimination of undesired noise; example barking dogs, cars, doors
16. Display: 240×320 color screen, adjustable brightness, backlight can be closed
17. Display Resolution: 0.1dB

18. Low battery indication: Symbol indicate low battery
19. Data Storage: (32Mb FLASH RAM. SD card is optional)
 - 1) 3328 groups of integrating measuring results only.
 - 2) 3328 groups of statistical results only ('statistical 1' and 'statistical 2' analysis index are same.)
 - 3) 2663 groups of statistical results only ('statistical 1' and 'statistical 2' analysis index are different.)
20. Print: Mini-printer
21. Internal Clock: Error less than 1 min/month
22. Output Interface:
 - 1) AC Output (full scale): 1.0V AC RMS; Output Impedance: 1k Ω ; Connector: ϕ 3.5mm stereo plug
 - 2) DC Output: 20mV/dB; Output Impedance: 1k Ω ; Connector: DB-9 plug
 - 3) RS232 Interface: To computer for output some measurement results instantaneous values , also to mini-printer for printing
 - 4) Transmission speed: 4800, 9600, 115200 bps
23. USB Interface: available and no need device drive. Allow USB to be controlled via communication commands
24. Power Supply:
 - 1) 4 $\times$ LR6 alkaline battery or rechargeable batteries
 - 2) 5V external power supply
25. Dimensions: 260 x 80 x 30mm.
26. Weight: 0.35kg. (include batteries)
27. EMC: Type X
28. Bluetooth Module: Wireless printing

Optional:

1. S6228+ -10100 Integral software: The noise integral measuring
2. S6228+ -10101 Statistics analytical software: The statistical analysis, 24 hours noise monitors automatically
3. S6228+ -10202 The OCT analysis software: Noise real-time OCT spectral analysis
4. S6228+ -10303 The 1/3 OCT analysis software: Noise real-time 1/3 OCT spectral analysis
5. S6228+ -10404 The FFT analysis software: Noise real-time FFT spectral analysis
6. S6228+ -00013 The Noise Dosimeter software: Noise dosimeter measuring
7. S6228+ -00509 The Data Logging software: Do data logging
8. S6228+ -00508 The Reverberation Time Measurement software: Reverberation Time Measurement
9. 32G SD memory card & wave record
10. Bluetooth function
11. GPS positioning modular