

## AutoTest Digital Sound Level Meter

NOISE MEASUREMENT MADE EASY



AutoTest Digital Sound Level Meter is used to measure and monitor noise levels to ensure that volume levels are within tolerances or an expected range in any industrial or domestic application.

### Features

1. The unit complies with IEC651 TYPE 2 & Ansi S1.4 TYPE 2 for sound level meters
2. Measurement range: 30 - 130 decibel
3. With two equivalent weighted sound pressure levels, A and C
4. Fast and slow modes
5. AC output for frequency and analyser level recorder, FFT analyser, graphic recorder etc

### Operation Directions

1. Turn on power.
2. Select desired response and weighting, also select desired range.
3. For general Audible noise, please select dBA.
4. If the sound source consists of short bursts, set response to FAST. To measure average sound level, use the SLOW setting.
5. When MAX mode is chosen, the instrument will capture and hold the Peak noise level.



# AutoTest

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### Technical Specifications

|                       |  |
|-----------------------|--|
| Accuracy              | ±1.5dB   |
| Frequency Range       | 31.5Hz to 16kHz  |
| Measuring Level       | 30 -130dBC   |
| Frequency Weighting   | A, C   |
| Digital Display       | 5 digits   |
| Resolution            | 0.1dB  |
| Bar Graph             | 50dB scale at 1dB step for monitoring current sound pressure level                           |
| Display Period        | 50mS   |
| Level Ranges          | 30 - 80dB; 50 - 100dB<br>60 - 110dB; 80 - 130dB<br>Overrange indicator; underrange indicator |
| AC Output             | 1.707 Vrms at FS output impedance approx 600Ω  |
| DC Output             | 100mV/ dB output impedance approx 1000Ω  |
| Time Weighting        | Fast/ Slow   |
| Microphone            | ½inch Electret Condenser Microphone  |
| Max                   | Peak Hold  |
| Power Supply          | 1*9V alkaline cells or DC 9V adapter   |
| Power Life            | About 30hrs (alkaline cells)   |
| Operating Temperature | 0°C - 40°C<br>10% to 80% RH  |
| Storage Temperature   | -10°C to 60°C  |

Note: Outer appearance and specifications are subject to change without prior notice.