

Personal Noise Exposure Meter DB22-600E

Product Descriptions

The DB22-600E Personal Sound Exposure Meter is an intelligent noise measurement instrument capable of measuring both the A-weighted sound pressure level and the equivalent continuous sound level (Leq), as well as the sound exposure level (LAE) and noise exposure amount (E). It employs advanced digital detection technology and is controlled by a powerful processor, offering features such as automatic range switching, high reliability, stability, and a wide dynamic range. The instrument meets the requirements for Class 2 sound level meters and personal sound exposure meters as specified in GB/T 3785 and GB/T 15952, making it suitable for monitoring environmental noise, evaluating industrial hygiene noise, and analyzing the noise levels of various machines, vehicles, ships, and electrical appliances.



Product Features

- It meets the requirements of grade 2 sound level meter in GB/T 3785 and GB/T 15952.
- Integrated design, small size, light weight.
- USB data cable output is used to communicate with PC. Bluetooth data output selection is provided.

Product Specifications

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| Measuring range | A Sound level: 40dB~130dB, noise exposure: 0.1~99.9(Pa ² .h) |
| Frequency range | 20Hz~8kHz |
| Frequency power | A weighted |
| Time power | F (fast), S (slow) |
| Automatic measurement display | Automatic measurement of LA, Leq, Lmax, LAE, E and Tm (measurement time) with 4-bit LCD digital display. |
| Microphone | Φ12.7mm Pre-polarized test capacitance microphone / frequency range 20Hz~12.5kHz / nominal sensitivity-32dB/Pa |
| Calibration | Use a level 2 calibrator (1000Hz, 94dB) for calibration |
| Power | Using 4*1.5v AAA batteries, the power consumption is about 25mA, and it can work continuously for more than 24 hours |
| Measurement time | Hand control, 10s, 1min, 5min, 10min, 15min, 30min, 1h, 4h, 8h, and 24h. |
| Operating Condition | Temperature: 0~50 °C Humidity: <90 %RH Air pressure: 65kPa~108kPa |
| Size | 140*77*32mm |
| Weight | 200 g (Not including batteries) |

Product Accessories

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| Standard Accessories | Main Unit, |
| | Wind cap |
| | Hand-held portable box |
| | Operating instruction |
| Optional Accessories | RS-232 data output, |
| | Bluetooth data output |