

SOUND LEVEL METER PROSKIT MT-4618



The **Proskit MT-4618** is a professional-grade sound level meter designed for measuring noise levels in various environments. It is commonly used in industrial, environmental, and occupational safety applications to ensure compliance with noise regulations and standards. Below are some key features and specifications of the Proskit MT-4618:

Key Features:

1. **Measurement Range:**
 - Typically measures sound levels from **30 dB to 130 dB**, making it suitable for a wide range of environments.
2. **Frequency Weighting:**
 - Supports **A-weighting (dBA)** and **C-weighting (dBC)** for accurate noise level measurements based on human hearing sensitivity and overall sound pressure levels.
3. **Time Weighting:**
 - Includes **Fast (125 ms)** and **Slow (1 s)** response times to capture varying noise levels.
4. **Frequency Range:**



SOUND LEVEL METER PROSKIT MT-4618

- Covers a frequency range of **31.5 Hz to 8 kHz**, which is ideal for most noise measurement applications.
 - 5. **Accuracy:**
 - High accuracy with a typical tolerance of **±1.5 dB**, ensuring reliable measurements.
 - 6. **Display:**
 - Features a **large LCD display** for easy reading of measurements, including real-time sound level data.
 - 7. **Data Hold Function:**
 - Allows users to freeze the displayed reading for easier recording and analysis.
 - 8. **Max/Min Hold:**
 - Captures the maximum and minimum sound levels during a measurement period.
 - 9. **Calibration:**
 - Supports external calibration for maintaining accuracy over time.
 - 10. **Portable Design:**
 - Compact and lightweight, making it easy to carry and use in various locations.
 - 11. **Power Source:**
 - Typically powered by **9V batteries**, ensuring portability and ease of use.
-

Applications:

- **Industrial Noise Monitoring:** Ensures compliance with workplace safety standards.



SOUND LEVEL METER PROSKIT MT-4618

- **Environmental Noise Assessment:** Measures noise pollution in residential or public areas.
 - **Occupational Safety:** Protects workers from excessive noise exposure.
 - **Acoustic Research:** Used in studies and experiments involving sound measurement.
-

Specifications:

- **Measurement Range:** 30 dB to 130 dB
 - **Frequency Range:** 31.5 Hz to 8 kHz
 - **Weighting Networks:** A and C
 - **Time Weighting:** Fast (125 ms) and Slow (1 s)
 - **Accuracy:** ± 1.5 dB
 - **Display:** LCD with backlight (if available)
 - **Power Supply:** 9V battery
 - **Dimensions:** Compact and portable (exact dimensions may vary)
 - **Accessories:** May include a windscreen, carrying case, and calibration tools.
-

How to Use:

1. **Power On:** Turn on the device and select the desired weighting (A or C) and response time (Fast or Slow).
2. **Calibrate:** Use an external calibrator to ensure accuracy before measurements.
3. **Measure:** Point the microphone toward the noise source and record the readings.
4. **Analyze:** Use the Max/Min Hold or Data Hold functions to capture specific measurements.



SOUND LEVEL METER PROSKIT MT-4618

5. **Power Off:** Turn off the device after use to conserve battery life.
-

Maintenance Tips:

- Regularly calibrate the device to maintain accuracy.
- Store in a dry, dust-free environment.
- Replace batteries as needed to ensure consistent performance.