

# Chapter 3: Sound Measurement: Instrumentation and Noise Metrics

# 3

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## Contents

Introduction	29
<b>Microphone Selection and Calibration</b>	<b>31</b>
Microphone Construction	31
Microphone Types	32
Microphone Dynamic Range	34
Calibration, Maintenance, and Environmental Factors	35
Factory Calibration of Microphones and Instruments	35
Traceability of Records	36
<b>Sound Measurement Metrics</b>	<b>37</b>
Root-Mean-Square Level	37
Peak Level	37
Weighting Filters	37
Time Constants	43
Time-Averaged Sound Level	42
Sound Exposure	43
Sound Exposure Level	44
Equivalent Sound Exposure Level	44
Time-Weighted Sound Level	44
Maximum Time-Weighted Sound Level	44
Octave-Band Analysis	44
Time-Waveform and Spectral Analysis	45
<b>Noise Measurement Instruments for Industrial Hygiene</b>	<b>46</b>
Instrument Standards	46
Class 1 and Class 2 Sound Level Meters	47
Noise Dosimeters	50
Spectrum Analyzers	53
Community Noise Analyzers	53
Recording Systems	53
Mobile Applications	53
<b>Instrument Calibration</b>	<b>54</b>
Sound Level Meter Calibrations	55
Dosimeter Calibration	55
Calibration of Other Instrumentation	55
Field Calibration	55

<b>Potential Sources of Measurement Error</b>	<b>56</b>
Barometric Correction	56
Corrections for Background Noise	56
Reflections	56
Quantization Errors	57
Humidity	58
Temperature	58
Radio Frequency and Electromagnetic Interference (EMI)	58
Mechanical Vibration	58
Summary of Potential Sources of Errors	59
<b>Conclusions</b>	<b>60</b>
<b>Appendix: Specialty Instrumentation for Impulsive Noise</b>	<b>61</b>
Resolution and Dynamic Range	62
Anti-Aliasing Filters	63
Impulse and Impact Noise	63
<b>References</b>	<b>64</b>

## Introduction

In industrial hygiene practice, noise exposure is measured to assess its potential detrimental effects on humans. Although hearing damage is the primary concern, other effects such as speech interference and annoyance are also of interest. Two categories of measurement are necessary. One provides data for predicting the potential effect of noise exposure on humans; the other provides data for engineering purposes directed toward mitigating hazardous noise exposures.

Mikroprocessors, computers, inexpensive mass storage, and mobile devices have led to a revolution in noise-measuring instruments, data processing, and data retention. Connections between health factors and potential stressors in the environment permit a deeper level of understanding of their relationship with health outcomes. Because of the miniaturization of equipment and

# Noise Sources Manual

**M Planty**



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## **Table of Contents Noise Sources Manual**

1. Understanding the eBook Noise Sources Manual

- The Rise of Digital Reading Noise Sources Manual
- Advantages of eBooks Over Traditional Books
- 2. Identifying Noise Sources Manual
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Noise Sources Manual
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Noise Sources Manual
  - Personalized Recommendations
  - Noise Sources Manual User Reviews and Ratings
  - Noise Sources Manual and Bestseller Lists
- 5. Accessing Noise Sources Manual Free and Paid eBooks
  - Noise Sources Manual Public Domain eBooks
  - Noise Sources Manual eBook Subscription Services
  - Noise Sources Manual Budget-Friendly Options
- 6. Navigating Noise Sources Manual eBook Formats
  - ePub, PDF, MOBI, and More
  - Noise Sources Manual Compatibility with Devices
  - Noise Sources Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Noise Sources Manual
  - Highlighting and Note-Taking Noise Sources Manual
  - Interactive Elements Noise Sources Manual
- 8. Staying Engaged with Noise Sources Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Noise Sources Manual

9. Balancing eBooks and Physical Books Noise Sources Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Noise Sources Manual
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Noise Sources Manual
  - Setting Reading Goals Noise Sources Manual
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Noise Sources Manual
  - Fact-Checking eBook Content of Noise Sources Manual
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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