

**INSTITUTE OF
ENVIRONMENTAL
SCIENCES AND
TECHNOLOGY**

**Contamination Control Division
Recommended Practice 013.2**

IEST-RP-CC013.2

**Calibration Procedures and
Guidelines for Select Equipment
Used in Testing Cleanrooms and
Other Controlled Environments**

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CONTENTS

SECTION

1	SCOPE AND LIMITATIONS	7
2	REFERENCES	7
3	TERMS AND DEFINITIONS	8
4	BACKGROUND AND PURPOSE	8
5	GENERAL PROCEDURES	9
6	AEROSOL GENERATORS	10
7	PHOTOMETERS	11
8	ANEMOMETERS	16

FIGURE

1	DETAILS OF A LASKIN NOZZLE	10
2	SETUP FOR VERIFYING A LASKIN-NOZZLE-TYPE DOP GENERATOR	10
3	100 µg/L AEROSOL SOURCE	11
D1	TYPES OF WIND TUNNELS	21

TABLE

1	RECOMMENDED INITIAL CALIBRATION INTERVALS	9
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APPENDIX

A	RELATED STANDARDS AND PUBLISHED PROCEDURES	17
B	PROPER INSTRUMENT CARE PROTOCOL	19
C	EXAMPLES OF PHOTOMETER TEST PROCEDURES	20
D	WIND TUNNELS	21
E	BIBLIOGRAPHY	22

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1 SCOPE AND LIMITATIONS

1.1 Scope

This Recommended Practice (RP) covers procedures for calibrating and verifying equipment used in characterizing cleanrooms and for determining intervals of calibration. The RP includes general procedures for calibrating photometers, aerosol generators, and anemometers. Where available, references for calibrating other instruments are provided.

1.2 Limitations

Future revisions of this document will include calibration procedures for additional instruments for which procedures are needed.

NOTE: Testing in accordance with this RP may involve hazardous materials, operations, and equipment. This RP does not purport to address all of the safety problems associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use of this RP.

2 REFERENCES

The cited editions of the following documents are incorporated into this RP to the extent specified herein. Users are encouraged to investigate the possibility of applying the most recent editions of the references.

2.1 References and applicable documents

ANSI/NCSL Z540-1-1994: Calibration Laboratories and Measuring and Test Equipment—General Requirements.

Echols, W.H. and J.A. Young. 1963. *Studies of Portable Air-Operated Aerosol Generators.* U.S. Naval Research Laboratory (NRL) Report 5929. Washington, DC.

ISO 10012:2003 Quality assurance requirements for measuring equipment—Part 1: Metrological confirmation system for measuring equipment.

2.2 Sources and addresses

ISO

ISO 10012 available from:
Document Center
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