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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This Recommended Practice was prepared by and is under the jurisdiction of Working Group 013 of the IEST Contamination Control Division.

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PROPOSAL FOR IMPROVEMENT: The Working Groups of the INSTITUTE OF ENVIRONMENTAL SCIENCES AND TECHNOLOGY are continually working on improvements to their Recommended Practices and Reference Documents. Suggestions from those who use these documents are welcome. If you have a suggestion regarding this document, please use the online Proposal for Improvement form found on the IEST website at www.iest.org/proposal/form.html.

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CONTENTS

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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
1504 Industrial Way, Unit 9
Belmont, California 94002, USA
Phone: 650-591-7600
Fax: 650-591-7617
www.document-center.com

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