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Methods for the calibration of vibration and shock transducers —

Part 11:

Primary vibration calibration by laser interferometry

Méthodes pour l'étalonnage des transducteurs de vibrations et de chocs — Partie 11: Étalonnage primaire de vibrations avec interféromètre de laser



ISO 16063-11:1999(E)

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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 734 10 79
E-mail copyright@iso.ch
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 16063 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 16063-11 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration and shock*, Subcommittee SC 3, *Use and calibration of vibration and shock measuring instruments*.

This first edition of ISO 16063-11 cancels and replaces ISO 5347-1, which has been technically revised.

ISO 16063 consists of the following parts, under the general title *Methods for the calibration of vibration and shock transducers*:

- Part 1: Basic concepts
- Part 11: Primary vibration calibration by laser interferometry
- Part 12: Primary vibration calibration by the reciprocity method
- Part 13: Primary shock calibration using laser interferometry
- Part 21: Secondary vibration calibration
- Part 22: Secondary shock calibration

Annexes A and B form a normative part of this part of ISO 16063.