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Methods for the calibration of vibration and shock transducers —

Part 41: Calibration of laser vibrometers

*Méthodes pour l'étalonnage des transducteurs de vibrations et de
chocs —*

Partie 41: Étalonnage des vibromètres à laser



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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Classification of laser vibrometers and principles of test methods	2
4 Uncertainty of measurement	4
5 Requirements for apparatus and other conditions	5
6 Preferred amplitudes and frequencies	14
7 Common procedure for primary calibration (methods 1, 2 and 3)	15
8 Method using fringe counting (method 1)	15
9 Method using minimum-point detection (method 2)	16
10 Methods using sine approximation: method 3 (homodyne version) and method 3 (heterodyne version)	18
11 Method using comparison to a reference transducer (method 4)	20
12 Report of calibration results	21
Annex A (normative) Uncertainty components in the primary calibration by laser interferometry of vibration and shock transducers	31
Annex B (informative) Three versions of method 3 based on laser Doppler velocimetry	36
Annex C (informative) Example of calculation of measurement uncertainty in calibration of a laser vibrometer	40
Annex D (informative) Phase shift calibration of laser vibrometers	42
Bibliography	44

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.

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

ISO 16063-41 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration, shock and condition monitoring*, Subcommittee SC 3, *Use and calibration of vibration and shock measuring instruments*.

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 15: Primary angular vibration calibration by laser interferometry*
- *Part 21: Vibration calibration by comparison to a reference transducer*
- *Part 22: Shock calibration by comparison to a reference transducer*
- *Part 31: Testing of transverse vibration sensitivity*
- *Part 41: Calibration of laser vibrometers*

The following parts are under preparation:

- *Part 16: Calibration by Earth's gravitation*