

AS 2625.1—2003
ISO 10816-1:1995

AS 2625.1

Australian Standard™

**Mechanical vibration—Evaluation of
machine vibration by measurements on
non-rotating parts**

Part 1: General guidelines

This Australian Standard was prepared by Committee AV-009, Vibration and Shock Application. It was approved on behalf of the Council of Standards Australia on 20 August 2003 and published on 29 September 2003.

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Australian Chamber of Commerce and Industry
The Australian Gas Association
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Mechanical vibration—Evaluation of machine vibration by measurements on non-rotating parts

Part 1: General guidelines

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PREFACE

This Standard was prepared by the Standards Australia Committee AV-009, Mechanical Vibration and Shock Application to supersede the following Standards, which have been technically revised:

AS

2625 Rotating and reciprocating machinery—Mechanical vibration

2625.1 Part 1: Basis for specifying evaluation standards

2625.3 Part 3: Measurement and evaluation of vibration severity of large machines *in situ*

The objective of this Standard is to provide designers, manufacturers, operators and maintainers of rotating and reciprocating machinery with guidelines for the evaluation of vibration of rotating and reciprocating machines measured on non-rotating and non-reciprocating parts.

This Standard is identical with and has been reproduced from ISO 10816-1:1995, *Mechanical vibration—Evaluation of machine vibration by measurements on non-rotating parts*, Part 1: *General guidelines*

AS 2625.1—1983 and AS 2625.3—1983 were based on ISO 2372:1974 and ISO 3945:1985 respectively and these Standards have been withdrawn and superseded by ISO 10816-1:1995.

ISO 10816 consists of the following parts:

Part 1: General guidelines

Part 2: Large land-based steam turbine generator sets in excess of 50 MW

Part 3: Industrial machines with nominal power above 15 kW and nominal speeds between 120 r/min and 15000 r/min when measured in situ

Part 4: Gas turbine driven sets excluding aircraft derivatives

Part 5: Machine sets in hydraulic power generating and pumping plants

In addition to Part 1, Part 3 has also been reproduced as an Australian Standard as Part 4 of the AS 2625 series.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text, ‘this part of ISO 10816’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to decimal marker.

There is no equivalent Australian Standard to the normative reference listed in Clause 2.

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