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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 47905.1-2026

Replacing GB/T 23716-2009

**Human response to vibration - Measuring instrumentation -
Part 1: General purpose vibration meters**

人体对振动的响应 测量仪器 第1部分：通用振动计

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 1 of GB/T 47905 "Measuring Instruments for Human Body Response to Vibration". GB/T 47905 has been published as follows.

Part 2.

---Part 1: General Vibration Meters this document replaces GB/T 23716-2009 "Measuring Instruments for Human Body Response to Vibration". Compared with GB/T 23716-2009, except for...

Aside from structural adjustments and editorial changes, the main technical changes are as follows.

---The section on "Verification Tests" has been removed (see Chapter 13 of the 2009 edition);

---Added content on "Calibration of Disposable Instruments" (see Chapter 13);

---Added content on "Periodic Verification" (see Chapter 14);

---The error in clause 3.1.2.4 in D.2 has been corrected; the correct clause is 3.1.2.3 (see Appendix D, Appendix D of the 2009 edition).

---Appendix I has been added, providing guidelines for evaluating instrument measurement uncertainty (see Appendix I).

This document is equivalent to ISO 8041-1:2017 "Measurement instruments for human response to vibration - Part 1: General vibration meters".

The following minimal editorial changes have been made to this document.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Mechanical Vibration, Shock and Condition Monitoring (SAC/TC53).

Introduction

As of 2005, when the previous version of this document was published, instruments used to measure the human body's response to vibration (vibration meters) typically consisted of a signal processing unit.