

ICS 19.060
CCS N73



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

GB/T 13309-2007

Replacing GB/T 13309-1991

Specification for mechanical vibration generator systems

机械振动台 技术条件

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Foreword

This standard is GB/T 13309-1991 "mechanical shaker technical conditions" amendments. From the date of publication of this standard, instead of the GB/T 13309-1991 "mechanical vibration generator." This standard and GB/T 13309-1991 main differences are as follows:

- According to GB/T 1.1-2000 "Standardization Guide Part 1. Structure and write rules standards" requirement to write, And standard structure has been adjusted;
- Increasing the foreword;
- The scope of the original "applies to a maximum load of 500kg and below the shaking table" to "applies to the rated load of not more than 1000kg shaking table "(1991 version Chapter 1; Chapter 1 of this edition);
- In Chapter 2, an increase of normative references and references to the introductory phrase file number of standards (1991 version Chapter 2; Excerpts Chapter 2) ";
- Increased terms and definitions (see Chapter 3);
- Increased vibration table composition (see Chapter 4);
- Increasing the footprint is larger than 1m², its table displacement amplitude uniformity is not greater than 25% (see 6.6). The national standards and standards-related other types of shakers are.
- GB/T 13310-2007 "electrodynamic vibration";
- GB/T 21116-2007 "hydraulic shaker." Please note that some of the content of this standard may involve patents. The standard release mechanism should not bear the responsibility to identify these patents. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee centralized testing machine (SAC/TC122). This standard is drafted by: Suzhou plant test equipment, test machine Changchun Institute. Participated in the drafting of this standard. Xian Jie Sheng Electronics Technology Co., Ltd. The main drafters of this standard. Xu Liyi, ROCKETS, Dong Zhenhua, Hu Xinhua. This standard replaces the standards previously issued as follows:

--- GB/T 13309-1991. Mechanical vibration generator

1 Scope

GB/T 13309-2007 is the Chinese national standard on specification for mechanical vibration generator systems, in the field of testing. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 11 October 2007 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2007. Classification: ICS 19.060, CCS N73. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the mechanical vibration sinusoidal vibration test station (hereinafter referred to as shaker) basic parameters, technical requirements, test methods and inspection rules. This standard applies to the rated load of not more than 1000kg of vibrator.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 2298 Mechanical vibration and shock term (GB/T 2298-1991, neq ISO 2041.1990)

GB/T 2611-2007 General requirements for testing machines

JB/T 6147-2007 test machine packing, packaging and marking, storage and transportation technology requirements

3 Terms and Definitions

GB/T 2298 and established the following terms and definitions apply to this standard.

3.1 The relevant technical documentation specified maximum test load.

3.2 Maximum acceleration at rated load.

3.3 Range limit characteristic curve of the lowest frequency to the highest frequency.

Shaking Table

4 Composition Shaking table consists of the following components.

- a) shaker table body;
- b) measurement and control devices;
- c) auxiliary equipment.

5 basic parameters

Shaking table shall be given the following basic parameters.

- a) Nominal frequency range;
- b) Rated acceleration;
- c) rated displacement;