

ICS 77.040.10
CCS H 21

YB

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

YB/T 5350-2006

Replacing GB/T 14453-1993

**Metallic material. Standard test method for the elastic modulus
at high temperature--The method of disc-Vibrator**

金属材料高温弹性模量测量方法 圆盘振子法

(English Translation)

Issued on: July 27, 2006

Implemented on: October 11, 2006

Issued by: National Development and Reform Commission

Table of Contents

What this standard covers	1
Document data	2

What this standard covers

This standard specifies the modulus of elasticity of the metal material at high temperature measurement method disc vibrator law terminology, definitions, symbols and formulas measuring principle, measuring instruments and devices, samples, measurement conditions and operating requirements, data processing, precision and bias and test reports. This standard applies to room temperature to +2000°C material uniformity between the disc-shaped metal materials specimens measuring the resonant frequency, which can determine the dynamic Young's modulus of the sample, the dynamic shear modulus and Poisson's ratio dynamically. Also suitable for glass, ceramics and other materials homogeneous and isotropic other solid materials testing.

Document data

International classification (ICS): 77.040.10.

Chinese classification (CCS): H21.

Estimated length of the Chinese original: 7,787 words.

Supersedes the earlier edition GB/T 14453-1993.