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

GB/T 20485.15-2010

**Methods for the calibration of vibration and shock transducers
-- Part 15: Primary angular vibration calibration by laser
interferometry**

振动与冲击传感器校准方法 第15部分：激光干涉法角振动绝对校准
(English Translation)

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What this standard covers

This standard specifies the method of calibration of absolute angular vibration sensors such as angular displacement sensor, angular velocity sensor, angular acceleration sensor (with or without amp amplifier) ??equipment and operating procedures, and the use of steady-state sinusoidal vibration and laser interferometry to obtain angular vibration the method of amplitude and phase shift multiplexed sensitivity. The method presented in this section apply to the angular displacement of GB/T 2298 defined, calibration parameters of the angular velocity and angular acceleration measuring instruments (in particular, the laser angular vibration measuring instrument) and angular vibration sensor. This section applies to the frequency range of 1Hz ~ 1. 6kHz, dynamic range (amplitude) of 0. 1rad/s² ~ 1000rad/s² (depending on frequency).

Document data

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Standards quoted by this document

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