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

GB/T 44700-2024

**Testing equipment of national physical fitness - General
requirements**

国民体质测试器材 通用要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed by the State General Administration of Sport. This document is under the jurisdiction of the National Sports Standardization Technical Committee (SAC/TC456). This document was drafted by: Institute of Sports Science of the State Sports General Administration, Beijing National Sports Century Quality Certification Center Co., Ltd., Tianjin Sports College, Beijing Xindong Huateng Technology Development Co., Ltd., Tongfang Health Technology (Beijing) Co., Ltd., Shenzhen Taishan Sports Technology Co., Ltd. Co., Ltd., Beijing Donghuayuan Medical Equipment Co., Ltd., Shanghai Youjiu Health Technology Co., Ltd., Tianjin Product Quality Supervision and Inspection Technology Research Institute Institute, Beijing Huiyang Times Technology Co., Ltd., Shenzhen Good Family Health Technology Co., Ltd., Beiaisi (Beijing) Health Technology Co., Ltd., Shanghai Bangwen Electronic Technology Co., Ltd. The main drafters of this document are. Wang Mei, Li Zhe, Fu Xuelian, Fan Chaoqun, Liu Sujun, Zhang Yadong, Shi Danwei, Lin Shuhong, Nan Yuan, Dai Chen, Yuan Yilong, Feng Qiang, Wang Jingjing, Zhang Jiaxiang, Sun Yundong, Xia Ping, Tan Sijie, Cheng Jianke, Cao Liquan, Guo Zhen, and Dai Yinghua.

General requirements for national physical fitness testing equipment

1 Scope

GB/T 44700-2024 sets the general requirements for the equipment used in China's national physical fitness testing programme, the periodic nationwide measurement of the

population's height, weight, lung capacity, grip strength, flexibility, balance, reaction time and endurance. The results feed national policy, so the instruments have to give the same reading in a village hall as in a provincial sports institute, which is a metrological problem before it is a sporting one. The standard sets the categories of equipment, the requirements on them, appearance and construction, measurement range and accuracy, repeatability, stability, electrical safety and durability, and on the data output and interfaces where the instrument is networked, together with the test methods for each requirement, the inspection rules and the marking. Normative annexes cover particular items, the balance beam and the auxiliary equipment among them, and the pressure correction that some measurements require. For a manufacturer supplying this programme, this is the acceptance text. It takes effect on 1 February 2025.

This document defines the terms and definitions of national physical fitness testing equipment (hereinafter referred to as "testing equipment"), and provides a classification for the convenience of technical regulations. Class, specifies technical requirements and describes corresponding test methods. This document applies to the manufacture and inspection of test equipment for people aged 3 to 79 years old.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 2828.1-2012 Sampling procedures for inspection by attributes Part

4 Basketball

GB/T 19851.5-2005 Sports equipment and venues for primary and secondary schools Part

5 Volleyball

GB/T 19851.6-2005 Sports equipment and venues for primary and secondary schools Part

6 Additional special safety requirements and test methods for treadmills

GB 19272-2011 General safety requirements for outdoor fitness equipment

GB/T 19851.1-2022 Sports equipment and venues for primary and secondary schools Part

18 Solid balls

GB/T 19851.21-2007 Sports Equipment and Venues for Primary and Secondary Schools
Part

21.Shuttlecocks and Flower Shuttlecocks GB/T 22754-2008 Tennis

GB/T 22773 Mechanical stopwatch

GB/T 22778 Liquid crystal digital quartz stopwatch GB/T 22892-2008 Football

GB/T 23111-2008 Non-automatic weighing instruments JJG

5 Verification procedures for fiber tapes and measuring ropes JJG237 Stopwatch
Verification Procedure QB/T 1519-2011 Fiber tape measure

YY/T 1035-2021 Stethoscope

YY9706.230 Medical electrical equipment Part 2-

30.Particular requirements for basic safety and essential performance of automatic
non-invasive sphygmomanometers

ISO 20957-5.2016 Stationary fitness equipment - Part

5.Additional characteristics for stationary exercise bikes and upper limb crank type fitness
equipment