

CCS N 13



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

GB/T 7722-2020

Replacing GB/T 7722-2005

Electronic Bench Scale

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Product model	4
5 Measurement requirements	4
5.1 Unit of measurement	4
5.2 Accuracy level	5
5.3 Additional requirements for multi-range scales	5
5.4 Additional requirements for multi-index scales	5
5.5 Maximum allowable error	5
5.6 Allowable error between weighing results	6
5.7 Standards for inspection	7
5.8 Discrimination	7
5.9 Amount of change caused by influence and time	7
5.10 Range stability	8
6 Technical requirements	9
6.1 General requirements for structure	9
6.2 Indication of weighing result	10
6.3 Zero setting device and zero tracking device	11
6.4 Tare device	12
6.5 Pre-set tare device	13
6.6 Selection of weighing range of multi-range scale	14
6.7 Requirements for the selection (or conversion) of loaders, load transfer devices, and load measuring devices	14
6.8 Additional requirements for scales for retail commodities	14
6.9 Price tag scale	17
6.10 Anti-interference requirements	17
6.11 Functional requirements	17
6.12 Safety and protection requirements	18
6.13 Requirements for packaging and transportation protection capabilities (only applicable to electronic platform scales with $Max \leq 30kg$)	18
6.14 Software	18
7 Inspection method	18

7.1 Preparation before inspection	18
7.2 Performance inspection	19
7.3 Impact Factor	23
7.4 Interference performance test (6.10)	25
7.5 Range stability test (5.10)	26
7.6 Safety and protection test (6.12)	27
7.7 Durability test (5.9.4.3)	27
7.8 Inspection of the protective ability of packaging and transportation (6.13)	27
7.9 Software check (6.14)	27
8 Inspection rules	28
8.1 Type inspection	28
8.2 Factory inspection	28
9 Marking, packaging, transportation and storage	29
9.1 Sign	29
9.2 Packaging	30
9.3 Transport	30
9.4 Storage	30

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 7722-2005 "Electronic Bench Scales". Compared with GB/T 7722-2005, the main technical changes are as follows.

---Move the explanations of "multi-range scale", "multi-division scale" and several "zero-setting devices" from the main text to terminology (see 3.6, 3.7, 3.8, 3.10);

---Added the terms "software" "tare device" and other aspects (see 3.13, 3.14);

---Added "software" related requirements and inspections (see 6.14, 7.9);

---Added external power supply or adapter power supply device, non-rechargeable power supply related content (see 5.9.3.2, 5.9.3.3);

---In the interference performance test, the content of "surge" and "conducted disturbance induced by radio frequency field" has been added (see 7.4.4, 7.4.7);

---Added the requirements for the structural design of the scale (for the design quality of the carrier structure of the current electronic platform scale in my country) (see 6.1);

- Increased the commitment of the manufacturer to the software (see 6.14.1);
- Added the error distribution rules for electronic platform scales and other split products (see 6.1.5);
- Added and improved the content of "multi-range scale" (see 5.3, 6.6);
- Added "durability" to the maximum weighing requirements (see 5.9.4.3);
- Added the "protection of devices and preset controllers" structural requirements (see 6.1.3);
- Deleted the "maximum allowable error of inspection in use" (see 5.3.2 of the.2005 edition);
- Deleted the requirement of power frequency change (see 5.7.3.1 of the.2005 edition);
- Deleted the content of the locked state (see 6.6 in the.2005 edition);
- Deleted the content of "Auxiliary Verification Device" (see 6.7 of the.2005 edition);
- In accordance with the content of GB/T 17626, the significant increase in the provisions has been revised (see 6.8.9).

This standard uses the redrafting method with reference to the International Organization for Legal Metrology No. 76 International Recommendation OIMLR76-1..2006
"Non-Automatic Weighing Instruments"

Part 1.Metrology and technical requirements test" compilation, the degree of consistency with OIMLR76-1 is not equivalent.

Please note that certain contents of this document may involve patents. The issuing agency of this document is not responsible for identifying these patents.

This standard was proposed by the China National Light Industry Council.

This standard is under the jurisdiction of the National Weighing Instrument Standardization Technical Committee (SAC/TC97).

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1 Scope

This standard specifies the terms and definitions, product models, measurement requirements, technical requirements, inspection methods of electronic platform scales

(hereinafter referred to as "scales")

Laws, inspection rules and signs, packaging, transportation, and storage.

This standard applies to the digital indicator type consisting of a load cell as a primary conversion element, a load carrier, an electronic device, and a digital display device.

Electronic desk scale.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 191 Packaging, Storage and Transportation Graphic Mark

GB/T 2423.1 Environmental testing of electrical and electronic products Part 2. Test methods Test A. Low temperature

GB/T 2423.2 Environmental testing of electric and electronic products Part 2. Test method Test B. High temperature

GB/T 2423.3 Environmental Test Part 2. Test Method Test Cab. Constant Humidity Test

GB/T 6388 Transport packaging receiving and dispatching signs

GB/T 7551 load cell

GB/T 7724-2008 Electronic weighing indicator

GB/T 13384 General technical conditions for packaging of mechanical and electrical products

GB/T 14250 Weighing Instrument Terminology

GB/T 17626.2 Electromagnetic compatibility test and measurement technology Electrostatic discharge immunity test

GB/T 17626.3 Electromagnetic compatibility test and measurement technology Radio frequency electromagnetic field radiation immunity test

GB/T 17626.4 Electromagnetic compatibility test and measurement technology Electrical fast transient pulse group immunity test

GB/T 17626.5 Electromagnetic compatibility test and measurement technology surge (impact) immunity test

GB/T 17626.6 Electromagnetic compatibility test and measurement technology Radio