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

GB/T 7723-2017

Replacing GB/T 7723-2008

Fixed location electronic weighing instrument

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Foreword

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

This standard replaces GB/T 7723-2008 "fixed electronic weighing", compared with GB/T 7723-2008 main changes are as follows.

--- Range, an increase of electronic truck scale products and does not apply to the hanging weighing electronic scales, delete the mechanical and electrical structural weighing

Electronic devices (see Chapter 1);

--- Product classification and naming standards revised to GB/T 26389 (see Chapter 4);

--- Weighing the level of accuracy and symbols, the test division value deleted $0.1 \leq e \leq 5$ (see Table 5.1);

--- Added additional requirements for multi-scale scales (see 5.3), in the later chapters to increase the corresponding test content;

--- Deleted in use test the maximum allowable error is the first test of the maximum allowable error twice the requirements;

--- Increased requirements for peripherals (see 5.4.6);

--- Standard test instrument, an increase of weighing instrument load (see 5.6.2); in the test method, an increase of electronic truck scale,

You can test according to JJG1118 Chapter 7 content;

--- Replaced with the standard test weights were modified (see 5.6.3);

--- Creep Test Added chart to illustrate the testing process. (See 5.8.3.1);

In addition to the subsequent testing requirements in use;

--- The applicability, for the technical requirements, an increase of the reference standard number (see 6.1.2);

--- The basis of the scale, an increase of the scale to be used to test weighing electronic

truck scale requirements (see 6.1.2.7);

--- Increase the requirements of the scale house (see 6.1.2.8);

--- In the load cell and electronic weighing instruments, delete the type approval certificate requirements (see 6.2 and 6.3);

--- Technical requirements, an increase of weighing instrument load measurement requirements (see 6.10);

--- Figure 2 of the carrier deformation test has been modified (see 7.1.8.1), an increase of weighing instrument requirements (see 6.1.2.6) and

Test methods (see 7.1.8.2);

--- Repeatability test, the deletion of the maximum weighing less than 1t weighing instrument requirements (see 7.7);

--- Removed the battery voltage changes (see 7.11.3);

--- Confirmation of anti-jamming performance test conditions have been modified (see 7.12);

--- Modify the type evaluation to type test, modify the test item list increased type test (see 8.5);

--- Increased speed limit signs (see 9.1.4);

--- Added Appendix A and Appendix B.

This standard uses the redrafted law Reference International Organization for Standards and Metrology No. 76 International Recommendation OIMLR76-1.2006 "Non-automatic weighing instrument

Part 1. Metrology and Technical Requirements Test ", the consistency with OIMLR76-1 is not equivalent.

Please note that some of this document may be patentable. The issuing agencies of this document do not bear the responsibility of identifying these patents.

This standard proposed by the China Light Industry Federation.

This standard by the National Standardization Technical Committee Scale (SAC/TC97) centralized.

This standard drafting unit. Shandong Admiralty Technology Group Co., Ltd., National Weighing Products Quality Supervision and Inspection Center, the Central Branch of the constant goods

Network System Co., Ltd., Fujian Institute of Metrology.

1 Scope

This standard specifies the fixed electronic weighing instrument (hereinafter referred to as "weighing") product measurement requirements, technical requirements, test methods, inspection rules

And logo, packaging, shipping and storage.

This standard applies to the use of load cells and electronic weighing instruments non-automatic weighing instrument, including electronic truck scale, electronic ground balance, electronic

On the scale, electronic hopper scales and a variety of special fixed electronic scales.

This standard does not apply to hanging weighing electronic scales.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

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

GB/T 191 Packaging - Pictorial signs

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

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

GB/T 2423.3 Basic environmental testing of electric and electronic products Ca. Constant hot and humid test method

GB/T 2887 General rules of computer space

GB/T 4167 weight

GB/T 6388 transport packaging shipping symbols

GB/T 7551 load cell

GB/T 7724 electronic weighing instruments

GB/T 13384 mechanical and electrical product packaging General technical conditions

GB/T 14250 Weighing terminology

GB 19517 National Electrical Equipment Safety Technical Specification

GB/T 23111-2008 non-automatic weighing instrument

GB/T 26389 Scale product model preparation methods

JJG1118-2015 electronic truck scale (weighing load measuring instrument method)

QB/T 1588.1 Light industry machinery welding parts general technical conditions

QB/T 1588.2 Light industry machinery cutting parts General technical conditions

QB/T 1588.3 Light industry machinery assembly general technical conditions

QB/T 1588.4 Light industry machinery painting general technical conditions

3 Terms and definitions

GB/T 14250 and defined by the following terms and definitions apply to this document. For ease of use, the following list is repeated

GB/T 14250 some of the terms and definitions.

3.1

Multi-scale weighing instrument multi-interval instrument

Weighing only has a weighing range, the weighing range is subdivided into several partial scale value of several local weighing range. These few parts