

ICS 17.100
CCS N13



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

GB/T 11883-2017

Replacing GB/T 11883-2002

**General technical specification for electronic crane and
hanging scale**

电子吊秤通用技术规范

Issued on: October 14, 2017

Implemented on: May 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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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 11883-2002 "electronic crane scale." This standard compared with GB/T 11883-2002, the main technical changes as follows:

- Extend the scope of the standard corresponding to the English name;
- More clear the scope of application;
- In the standard normative references to the description of the updated, so that with the new version of the same national standards;
- In the standard normative references to the latest date has been updated to be consistent with the latest valid standards;
- Cited some new standards, while eliminating some of the unsuitable standards;
- Terms according to the new standard was unified;
- Model naming rules based on current standards and the actual situation has been adjusted;
- Cancel the description of the basic parameters;
- With the lifting equipment to work with the electronic crane scale, with reference to the national standard lifting machinery increased the relevant requirements;
- More clear the general requirements of the structure;
- cancel the partial load test requirements;
- Increased the interface requirements;
- Increased hook anti-decoupling device requirements;

1 Scope

GB/T 11883-2017 is the Chinese national standard on general technical specification for electronic crane and hanging scale, in the field of metrology and measurement. The /T

suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 14 October 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2018. Classification: ICS 17.100, CCS N13. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the terms and definitions of electronic crane scale, model and specification of the naming, measurement requirements, technical requirements, test methods, inspection rules Then, mark, package, transport, store. This standard applies to the suspension in the state of the alleged weighing electronic crane scale (hereinafter referred to as "Hanging Scale"). This standard Almost in the Hanging Scale, including the hook head scale, crane scale, the common characteristics of these devices is the subject of at least one place between the flexible or movable with Then, to ensure that the object under weighing in a free state, and the sensor and the object in the series state. Hanging from the data transmission methods, can be divided into scale body type, wireless transmission type. Hanging from the power supply, can be divided into AC, DC, AC-DC dual-use.

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 3811 crane design specifications

GB/T 6388 transport packaging shipping symbols

GB/T 6974.1 Crane terminology Part 1. General terms

GB/T 7551-2008 load cells

GB/T 7724 electronic weighing instruments

GB/T 10051.1 lifting hooks Part 1. Mechanical properties, lifting capacity, stress and materials

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

GB 14249.1 electronic weighing safety requirements

GB/T 14250 Weighing terminology

GB/T 23111-2008 non-automatic weighing instrument

GB/T 26389 Scale product model preparation methods

JB/T 5994 assembly of common technical requirements

3 Terms and definitions

GB/T 6974.1 and GB/T 14250 as defined by the following terms and definitions apply to this document.

3.1 Electronic crane scale electroniccraneandhangingscale An electronic device weighing an article to be weighed in a freely suspended condition. It includes. Hook head scale, hook scale and so on.

3.2 Crane scale craneandhangingscale Load cell mounted on the trolley pulley at a crane scale. It keeps the crane's original lifting height.