

ICS 39.040.10

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

GB/T 4032-2013

Replacing GB/T 4032-1983

Wrist-chronometers with spring balance oscillator

具有摆轮游丝振荡系统的精密手表

(English Translation)

Issued on: December 17, 2013

Implemented on: December 1, 2014

Issued by: Standardization Administration of China

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Foreword

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

This standard replaces GB/T 4032-1983 "has a balance spring oscillating system precision watch", compared with the GB/T 4032-1983, the main technical changes in addition to editorial changes outside as follows.

- Increase in Chapter 1, "scope";
- Increase in Chapter 2, "Normative references";
- Improve the "precision watch" is defined (see 3.1);
- Delete provisions authorizing the publication "precision watch" title at CICC (International chronometer Management Committee) management.

This standard uses the translation method identical with ISO 3159:2009 "chronographs with spring balance oscillating system precision watch." Correspondence between the consistency of the standards of international documents and normative references of the following documents.

- GB/T 4028-1994 timing equipment inspection position marker (ISO 3158. 1976, IDT) this standard made the following editorial changes.

- In order to improve the relevance of standard content and title before Chapter 1, paragraph 1, the first sentence of "precision watch" supplementary pre-term Attributive "has the balance spring oscillating system precision watch" (see Chapter 1); and added in front 3.1 "precision watch" definition "Refers to a balance spring oscillating system" to define "precision watch" type (see 3.1);

- Without changing the intent of the title, the name of the standard editorial simplified modification;

--- Increase form the table title (see Table 1, Table 2, Table 3);

--- In Chapter 6, "Test Procedure" 2 before the table to add a note in order to improve the operability of the test.

The standard proposed by China National Light Industry Council.

This standard by the National Standardization Technical Committee clocks (SAC/TC160) centralized.

This standard was drafted. Watch Institute of Light Industry, Tianjin Seagull Watch Group Ltd. FIYTA (Group) Co., Ltd., Shenzhen Titan watches and clocks, Shenzhen City detection Ltd., Shenzhen FIYTA Sophisticated Manufacture Co., Ltd.

1 Scope

This standard specifies the definition of having a balance spring oscillating system precision watches (referred to as "precision watch"), classification, test procedures and minimum Claim.

Note: The use of the range of the oscillator tuning fork watches are not specified in this standard.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 3158 timing equipment inspection position mark
(Timekeeping instruments-Symbolization of control positions)

3 Terms and Definitions

The following terms and definitions apply to this document.

Precision watch chronometer Refers to a balance spring oscillating system is adjusted to the test in different locations and conditions of use are very accurate watch.

Note 1: in line with the definition of precision watches neutral subject to an official inspection agency or watch movement (if necessary) of the approved inspection and issue a certificate.

Note 2: called "precision watches" must meet the minimum requirements specified in Chapter 7.

Watch Category 4

Watch movement according to the diameter of the assembly precision of the movement or mounting area divided into two categories (see Table 1).

Table 1 Precision Watches Categories

classification

Movement fitting diameter mm Movement assembly area mm² 1 > 20 > 314 2 ≤20 ≤314

5.1 General

Ei represents an indication of poor watch, watch instruction time is the difference between the standard time. Time observation accuracy within $\pm 0.5s$.

Ei values rounded to the nearest second.