ICS 39.040.10
CCS Y 11

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 26716-2023

Replacing GB/T 26716-2011

Horology - Magnetic resistant watches

Issued on: August 6, 2023 **Implemented on: March 1, 2024**

Issued by: State Administration for Market Regulation, China National Standardization Administration

Table of Contents

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1.Structure and Drafting Rules of Standardization Documents"

Drafting.

This document replaces GB/T 26716-2011 "Antimagnetic Watches and Clocks". Compared with GB/T 26716-2011, except for structural adjustment and compilation

In addition to editorial changes, the main technical changes are as follows.

a) Added the term and definition "enhanced anti-magnetic watch" and its requirements (see 3.2, 4.1);

b) The chapter "Significance" has been deleted (see Chapter 4 of the.2011 edition);

c) Added the calculation formula for the residual effect of mechanical watches after applying a magnetic field (see 4.2.2);

d) Added requirements for "other effects" for mechanical watches and electronic watches (see 4.2.3 and 4.3.2);

e) Changed the requirements for magnetic field intensity changes during the test in "Test Instruments" (see 5.2, 6.2 of the.2011 edition);

f) Added the demagnetization step in the antimagnetic test of mechanical watches (see 5.3.2.1.1);

g) The method of measuring the initial instantaneous daily difference of mechanical watches has been changed (see 5.3.2.1.3, 6.3.1 of the.2011 version);

h) Changed the method of antimagnetic test for mechanical watches (see 5.3.2.2, 6.3.2 of the.2011 edition);

i) Added "test procedures for electronic watches" (see 5.3.3);

j) The title and content of Appendix A have been changed (see Appendix A, Appendix A of the.2011 version).

This document is equivalent to ISO 764.2020 "Antimagnetic Watches and Clocks".

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the technical requirements for antimagnetic watches, gives the markings that manufacturers are allowed to use, and describes the test methods for antimagnetic watches.

This document applies to the design and testing of antimagnetic watches capable of withstanding everyday magnetic fields.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations

For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to

this document.

tions)

Note. GB/T 4028-2013 Inspection position marking of timing instruments (ISO 3158.1976, IDT)

3 Terms and definitions

The following terms and definitions apply to this document.

The terminology databases of ISO and IEC can be accessed at.

3.1

A watch that can withstand the uniform and continuous DC magnetic field of 4800 A/m encountered daily.

3.2

A watch that can withstand a uniform and continuous strong DC magnetic field of 16,000

amps per meter (A/m) and above at close range.

3.3

residualeffectresidualeffect

The difference between the instantaneous daily difference before and after the antimagnetic test.

4.1 General requirements

When a magnetic field of 4800A/m is applied, antimagnetic watches shall comply with the requirements of 4.2 or 4.3.Reinforced anti-magnetic watches shall comply with Appendix A

requirements.

4.2.1 Operating conditions of mechanical watches during application of a magnetic field

During the observation period the magnetic field is applied, the watch should not stop.