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**Radio-controlled clocks - Signal receiving measurement
method**

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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 is equivalent to ISO 23346.2020 "Radio-controlled Clock Signal Reception Test Method".

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 defines the terms and definitions of radio-controlled clocks and describes general test methods for signal reception.

This document is applicable to radio-controlled clocks with pointer indication or/and liquid crystal display or/and LED (light-emitting diode) display. Radio-controlled clock movements can also be used.

Use accordingly.

2 Normative reference documents

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

radio-controlled clock

A quartz clock that can receive time code signals (3.2) and automatically calibrate the time and calendar based on the received signals.

3.2

time code signal standard time signal

A time-coded modulated signal broadcast by the national statutory timing agency in the form of long-wave radio.

Note. For specific information on the world's major time code signals, see Appendix A.

3.3

receiving state receiving state

The state when the radio-controlled clock (3.1) receives the time code signal (3.2).

4.1.1 General environment

The ambient temperature of the test is 18 degrees C~25 degrees C, the temperature fluctuation during the entire test process is not more than 2 degrees C, and the relative humidity is 30%~70%.

4.1.2 Power supply

The supply voltage of the sample being inspected should be the nominal working voltage.

4.1.3 Pre-shipment

The inspected samples should be transported in the environment specified in 4.1.1 for no less than the specified time before testing.

4.2 Instruments and equipment

The resolution and maximum allowable error of test instruments and equipment are shown in Table 1.