

ICS 31.140
CCS L21



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

GB/T 43024.4-2026

**Measurement techniques of piezoelectric, dielectric and
electrostatic oscillators - Part 4: Short-term frequency stability
test methods**

压电、介电和静电振荡器的测量技术 第4部分：短期频率稳定度试验方法
(English Translation)

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Foreword

GB/T 43024.4-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 September 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 April 2027.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Ministry of Industry and Information Technology (Electronics).

Classification: ICS 31.140; CCS L21.

1 Scope

Part 4 of the series on measurement techniques for piezoelectric, dielectric and electrostatic oscillators covers short-term frequency stability test methods. Frequency stability is a central performance characteristic of oscillators used in timing, communications and instrumentation, and this part describes how the short-term behavior is to be tested. The standard adopts an international standard.

Oscillator manufacturers, test equipment makers, quality engineers and laboratories measuring timing components are the principal users, along with designers who need to interpret supplier specifications. Agreed test methods allow results from different laboratories to be compared on equal terms.

It is a recommended national standard (GB/T) and one part of a broader family, so it complements other parts that address different measurement topics. Component buyers and electronics manufacturers working with Chinese suppliers can use it as a common basis for measurement discussions. It takes effect on 1 April 2027.