

ICS 31.140
CCS L21



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

GB/T 43024.1-2026

**Measurement techniques of piezoelectric, dielectric and
electrostatic oscillators - Part 1: Basic methods for the
measurement**

压电、介电和静电振荡器的测量技术 第1部分：基本测量方法
(English Translation)

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Foreword

GB/T 43024.1-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 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

Oscillators built on piezoelectric, dielectric and electrostatic principles are found in almost every timing and frequency-control application, and measuring them consistently matters to both suppliers and customers. This document is Part 1 of a series on measurement techniques for these oscillators and covers the basic methods of measurement. It gives a common starting point that later parts of the series can build on.

Likely users are crystal and oscillator manufacturers, electronics designers who qualify timing components, incoming inspection teams, and calibration and test laboratories. Having an agreed measurement basis helps different parties compare data and resolve disputes over specification compliance. The standard is a recommended national standard, so its use is voluntary unless invoked by contract or regulation. It adopts an international standard. It was issued on 28 August 2026 and takes effect on 1 March 2027.