

ICS 19.100
CCS J04



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

GB/T 48171.2-2026

**Non-destructive testing instruments - Infrared thermography -
Part 2: Test method for integrated performance of system and
equipment**

无损检测仪器 红外热成像 第2部分：系统与设备综合性能测试方法
(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and definitions

Foreword

GB/T 48171.2-2026 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 China Machinery Industry Federation.

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1 Scope

Infrared thermography cameras and systems are used for non-destructive inspection of buildings, electrical installations, industrial plant and materials. This document is Part 2 of the series on infrared thermography within the non-destructive testing instruments field, and it provides a test method for the integrated performance of the system and equipment.

Manufacturers of thermal imaging instruments can use it to evaluate and describe their products. Inspection companies, calibration laboratories and purchasers may rely on it when comparing systems or checking that an instrument continues to perform as expected, and NDT personnel gain a clearer basis for qualifying their equipment. It is a recommended national standard and adopts an international standard. It was issued on 28 August 2026 and takes effect on 1 March 2027. Testing the camera and its accessories as a complete system, rather than component by component, reflects how the equipment is actually used in the field.