

ICS 19.100
CCS J04



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

GB/T 28705-2026

Replacing GB/T 28705-2012

**Non-destructive testing - Pulsed eddy current testing of
ferromagnetic metallic components**

无损检测 铁磁性金属部件脉冲涡流检测

(English Translation)

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Foreword

GB/T 28705-2026 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.

This edition replaces GB/T 28705-2012.

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

It is under the responsibility of the Standardization Administration of China.

Classification: ICS 19.100; CCS J04.

1 Scope

This standard covers pulsed eddy current testing of ferromagnetic metallic components, a non-destructive technique in which a pulsed excitation is used to examine metal parts without damaging them. It is useful to inspection companies, plant owners, and quality and maintenance engineers who assess components such as pipes, vessels and structural parts made of ferromagnetic material, and to the personnel who qualify those inspection procedures.

It adopts an international standard and replaces GB/T 28705-2012. It was issued on 28 September 2026 and takes effect on 1 April 2027. As a recommended national standard it is voluntary in principle, although inspection contracts and company procedures frequently cite such methods. Teams that carry out condition assessment of metallic assets in China, or that need their testing practice to match current Chinese standards, can use it as the reference for this particular method. Pulsed eddy current is often chosen where access is limited or insulation covers the surface, so a common reference helps owners and contractors agree on how results are produced.