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ICS 81.060.30
CCS Q 32

JC

BUILDING MATERIALS INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JC/T 2778-2023

Test method for conductivity of solid electrolytes for gas sensors

气体传感器用固体电解质电导率试验方法

(English Translation)

Issued on: December 20, 2023 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/jc-t-2778-2023

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1 Foreword

JC/T 2778-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 July 2024.

The JC/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 5 pages in English translation.

2 Scope Preview

This standard specifies the test equipment, samples, test methods and test reports for the conductivity test method of solid electrolytes for gas sensors in the temperature range of 25°C to 400°C. This standard applies to the conductivity test of solid electrolytes used in gas sensors.

JC/T 2778-2023 falls under ICS 81.060.30, in the field of glass and ceramics industries.

This catalogue holds 206 other JC/T standards in that field.

In this catalogue, JC/T standards carry edition years from 1973 to 2026.

3 About this standard

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English translation: about 5 pages

Chinese original: about 7,712 characters

4 Related standards

Standards on related subjects:

JC/T 848.1-2010 - Alumina grinding ball

GB/T 8489-2006 - Test method for compressive strength of fine ceramics (advanced ceramics, advanced technical ceramics)

GB/T 6569-2006 - Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for flexural strength of monolithic ceramics at room temperature

JC/T 2917-2025 - Zirconia toughened alumina ceramic composite lining board

JC/T 2906-2025 - Test method for wear of small-sized spherical ceramic grinding media - Stirred Mill Method

JC/T 2779-2023 - Test method for ion transmission performance of ceramic electrode materials

5 Classification and status

International classification (ICS): 81.060.30

Chinese Standard Classification (CCS): Q 32

Prefix JC/T: recommended standard.

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