



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 0090 : 1993
(IEC 68-2-42 : 1982)

**Basic environmental testing
procedures Part 2 : Tests
Test Kc : Sulphur dioxide test
for contacts and connections**

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changed from JIS C 0090 to the
following from 20 March 2004.

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ICS 19.080; 19.040

Descriptors : electrical and electronic testing; environmental testing

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C 0090 : 1993 (IEC 68-2-42 : 1982)

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Basic environmental testing procedures

Part 2: Tests — Test Kc:

Sulphur dioxide test for contacts and connections

Foreword for Japanese Industrial Standard

This Japanese Industrial Standard has been prepared based on the 2nd edition issued in 1982 of IEC 68-2-42 [Basic environmental testing procedures, Part 2: Tests - Test Kc: Sulphur dioxide test for contacts and connections] without changing the technical contents.

Furthermore, the "Informative references" that are indicated by underline (dotted line) do not appear in the original International Standard.

1. Scope

This Standard is intended to provide accelerated means to assess the corrosive effects of atmospheres polluted with sulphur dioxide on contacts and connections.

This test is particularly suitable for giving information on a comparative basis.

This test is not suitable as a general corrosion test, i.e. it may not predict the behaviour of contacts and connections in industrial atmospheres.

Note. In view of the limited information to be obtained from accelerated corrosion tests, particular attention should be paid to the guidance for this Standard. The guidance is JIS C 0091-1993 [Basic environmental testing procedures, Part 2: Tests - Guidance to Test Kc: Sulphur dioxide test for contacts and connections].

Informative references. JIS C 0091-1993 is identical to IEC 68-2-49: 1983 [Basic environmental testing procedures, Part 2: Tests - Guidance to Test Kc: Sulphur dioxide test for contacts and connections].

Reference should also be made to JIS C 0094: 1993 [An appraisal of the problems of accelerated testing for atmospheric corrosion].

Informative references. JIS C 0094-1993 is identical to IEC 355: 1971 [An appraisal of the problems of accelerated testing for atmospheric corrosion].

2. Object

- a) To determine the influence of atmospheres containing sulphur dioxide on the contact properties of precious metal or precious metal-covered contacts, excluding contacts consisting of silver and some of its alloys.
- b) To check wrapped or crimped connections with regard to their tightness or effectiveness.