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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Electric Measuring Instruments Manufacturers' Association (JEMIMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS C 1605 : 1995**), which has been technically revised.

However, **JIS C 1605 : 1995** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 19 June 2023.

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Mineral insulated thermocouples

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 61515** : 2016, Edition 2, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JD.

1 Scope

This Standard specifies requirements for mineral insulated metal-sheathed thermocouples at the time of delivery used for the temperature measurement and mineral insulated metal-sheathed thermocouple cables used for mineral insulated metal-sheathed thermocouples.

NOTE The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 61515 : 2016 *Mineral insulated metal-sheathed thermocouple cables and thermocouples* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. For standards indicated below, only the editions of the indicated year shall be applied and any revisions (including amendments) made thereafter shall not be applied.

JIS B 0659-1 : 2002	<i>Geometrical Product Specifications (GPS) — Surface texture : Profile method; Measurement standards — Part 1 : Material measures</i>
JIS B 7502 : 2016	<i>Micrometers</i>
JIS C 1302 : 2018	<i>Insulation resistance testers</i>
JIS C 1602 : 2015	<i>Thermocouples</i>
JIS C 1610 : 2012	<i>Extension and compensating cables for thermocouples</i>
JIS Z 8103 : 2019	<i>Glossary of terms used in measurement</i>
JIS Z 8703 : 1983	<i>Standard atmospheric conditions for testing</i>