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In the event of any doubts arising as to the contents,  
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## Foreword

This translation has been made based on the original Japanese Industrial Standard 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 the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS C 1602** : 1995 is replaced with this Standard.

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# Thermocouples

## Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **IEC 60584-1** published in 2013 with some modifications of the technical contents.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JC.

## 1 Scope

This Standard specifies the thermocouples to be used for the temperature measurement.

NOTE 1 Temperatures in this Standard are based on the International Temperature Scale of 1990 (ITS-90).

NOTE 2 “t” indicates the temperature expressed in degrees Celsius, the unit symbol °C.

NOTE 3 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows :

IEC 60584-1 : 2013 *Thermocouples — Part 1 : EMF specifications and tolerances* (MOD)

The 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

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7502 *Micrometer callipers*

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7516 *Metal rules*

JIS C 1302 *Insulation resistance testers*

JIS C 1610 *Extension and compensating cables for thermocouples*

JIS R 1401 *Non-Metallic protection tubes for thermocouples*

JIS R 1402 *Non-metallic insulating tubes for thermocouples*

JIS Z 8103 *Glossary of terms used in measurement*