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**Instrument transformers for metering
service — Part 1: General measuring
instrument**

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Contents

	Page
1 Scope	1
2 Normative reference	1
3 Terms and definitions	1
3.1 Terms relating to general terms	1
3.2 Terms relating to current transformer	4
3.3 Terms relating to voltage transformer and combined instrument transformer	6
4 Service condition	7
4.1 Standard service condition	7
4.2 Special service condition	7
5 Structure	8
5.1 General	8
5.2 Mechanical strength	8
5.3 Insulating tubes	8
5.4 Internal structure	8
5.5 Sealing structure	8
5.6 Sealing	9
5.7 Polarity	9
6 Ratings	9
6.1 Maximum voltage	9
6.2 Rated current	9
6.3 Rated voltage	10
6.4 Rated withstand current	11
6.5 Accuracy class	12
6.6 Rated burden	12
6.7 Rated frequency	13
7 Performance	13
7.1 Withstand current	13
7.2 Secondary short-circuit	14
7.3 Temperature rise	14
7.4 Withstand voltage	15
7.5 Abnormal phenomenon	19
7.6 Resultant error	20
7.7 Current characteristics	21
7.8 Voltage characteristics	22
7.9 Frequency characteristics	22
7.10 Mutual interference	23

7.11	Gas leak amount	23
7.12	Purity of gas	23
7.13	Moisture content in gas	23
8	Test	23
8.1	Classification of test	23
8.2	Test items and gas pressure during test	23
8.3	Test method	27
9	Terminal	43
9.1	Symbol of terminal	43
9.2	Position of terminal	52
10	Marking	53
10.1	General	53
10.2	Current transformer	57
10.3	Voltage transformer	59
10.4	Combined instrument transformer	60
11	Current transformer for multi-circuit summation meter	61
Annex A (normative)	Method for obtaining resultant error of instrument transformer	63
Annex B (normative)	Current density and initial temperature used for temperature rise calculation formula of thermal with-stand current test	70
Annex C (normative)	Current transformer for multi-circuit summation meter	72

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 The Japan Electrical Manufacturers' Association (JEMA)/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 1736-1** : 2009), which has been technically revised.

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JIS C 1736 series consists of the following 2 parts under the general title *Instrument transformers for metering service* :

JIS C 1736-1 *Part 1: General measuring instrument*

JIS C 1736-2 *Part 2: Measuring instruments used in transaction or certification*

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Instrument transformers for metering service — Part 1 : General measuring instrument

1 Scope

This Standard specifies requirements for the instrument transformers for metering service used in combination with a watt-hour meter, a var-hour meter or a maximum demand watt-hour meter at the commercial frequency.

2 Normative reference

There are no normative references in this Standard.

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1 Terms relating to general terms

3.1.1

instrument transformer

equipment for current and voltage transformation to be used together with a watt-hour meter, a var-hour meter or a maximum demand watt-hour meter

NOTE It is a general term of a current transformer, a voltage transformer and a combined instrument transformer.

3.1.2

dry type instrument transformer

instrument transformer of which the principal components such as an iron core and winding are used in the air

3.1.3

mould type instrument transformer

instrument transformer of which the entire surface of winding is covered with resin or insulating material containing resin among dry type instrument transformers

3.1.4

oil-immersed instrument transformer

instrument transformer of which the principal components such as an iron core and winding are immersed in insulating oil

3.1.5

gas insulated instrument transformer