

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 1302 : 2014

(JEMIMA/JSA)

Insulation resistance testers

ICS 17.220.20;29.080.01;29.240.01

Reference number : **JIS C 1302 : 2014 (E)**

Date of Establishment: 1968-04-01

Date of Revision: 2014-01-20

Date of Public Notice in Official Gazette: 2014-01-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Testing and Measurement
Technology

JIS C 1302:2014, First English edition published in 2015-09

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
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Printed in Japan

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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 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 1302:2002** is replaced with this Standard.

However, **JIS C 1302:2002** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until July 19, 2015.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Insulation resistance testers

Introduction

This Japanese Industrial Standard has been prepared based on the second editions of **IEC 61557-1** and **IEC 61557-2** published in 2007 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 Standards have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the portable insulation resistance testers with a rated measuring voltage not exceeding 1 000 V incorporating batteries therein to be used for the following **a)** to **c)** as the target of measurement.

- a) **Insulation measurement of low voltage distribution line**—Insulation measurement of lines and devices in a distribution system not exceeding a.c. 1 000 V and d.c. 1 500 V where the power supply is interrupted
- b) **Insulation measurement of device, appliance, components, etc.**
- c) **Insulation measurement of high-voltage equipment**

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

IEC 61557-1:2007 *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c.—Equipment for testing, measuring or monitoring of protective measures—Part 1: General requirements*

IEC 61557-2:2007 *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c.—Equipment for testing, measuring or monitoring of protective measures—Part 2: Insulation resistance (Overall evaluation, MOD)*

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards 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. 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 C 0920:2003 *Degrees of protection provided by enclosures (IP Code)*

NOTE : Corresponding International Standard: IEC 60529:2001 *Degrees of protection provided by enclosures (IP Code)* (IDT)