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JIS T 7311 : 2005 (JMOIA/JSA) **Retinoscopes**

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Health, Labour and Welfare through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Medical-optical Equipment Industrial Association (JMOIA)/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 T 7311 : 1988 is replaced with this Standard.

This revision has been made based on ISO 12865: 1998 *Ophthalmic instruments—Retinoscopes* for the purpose of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

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Standards Board
Technical Committee on Medical Equipment

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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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Retinoscopes

Introduction This Japanese Industrial Standard has been prepared based on the first edition of ISO 12865 *Ophthalmic instruments—Retinoscopes* published in 1998 with some modifications of the technical contents.

The portions underlined with dots are the matters modified from the original International Standard. A list of modifications with the explanations is given in annex (informative).

1 Scope This Standard specifies the retinoscope used to conduct the objective refraction inspection of eyes by sending light from the pupil to the retina with a lighting system and observing through an observation hole the movement and direction of reflecting-back light from a retina for the movement of the projected light.

Remarks : The International Standard corresponding to this Standard is as follows.

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.

ISO 12865 : 1998 *Ophthalmic instruments—Retinoscopes* (MOD)

2 Normative references The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. If the indication of the year of publication is given to these referred standards, only the edition of the indicated year constitutes the provision of this Standard but the revision and amendment made thereafter do not apply. The normative references without the indication of the year of publication apply only to the most recent edition (including amendments).

JIS T 0601-1 *Medical electrical equipment—Part 1: General requirements for safety*

Remarks : IEC 60601-1:1988 *Medical electrical equipment—Part 1: General requirements for safety*, Amendment 1: 1993 and Amendment 2:1995 are equivalent to the said standard.

JIS Z 8120 *Glossary of optical terms*

3 Definitions For the purposes of this Standard, the definitions given in JIS T 0601-1 and JIS Z 8120 and the following apply:

- a) reflecting-back light the reflected light from a retina
- b) streak pencil of rays a pencil of rays produced by the streak light source or optical element