



NSAI
Standards

Irish Standard
I.S. EN ISO 9873:2017

Dentistry - Intra-oral mirrors (ISO 9873:2017)

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I.S. EN ISO 9873:2017

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Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

I.S. EN ISO 9873:2017 is the adopted Irish version of the European Document EN ISO 9873:2017, Dentistry - Intra-oral mirrors (ISO 9873:2017)

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EUROPEAN STANDARD

EN ISO 9873

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2017

ICS 11.060.20

Supersedes EN ISO 9873:2000

English Version

Dentistry - Intra-oral mirrors (ISO 9873:2017)

Médecine bucco-dentaire - Miroirs endobuccaux (ISO 9873:2017)

Zahnheilkunde - Intraoralspiegel (ISO 9873:2017)

This European Standard was approved by CEN on 9 February 2017.

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European foreword

This document (EN ISO 9873:2017) has been prepared by Technical Committee ISO/TC 106 “Dentistry” in collaboration with Technical Committee CEN/TC 55 “Dentistry” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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The text of ISO 9873:2017 has been approved by CEN as EN ISO 9873:2017 without any modification.

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INTERNATIONAL STANDARD

**ISO
9873**

Third edition
2017-04

Dentistry — Intra-oral mirrors

Médecine bucco-dentaire — Miroirs endobuccaux



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see <http://www.iso.org/directives>).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

This third edition cancels and replaces the second edition (ISO 9873:1998), which has been technically revised. It also incorporates the Technical Corrigendum ISO 9873:1998/Cor.1:2000. The following changes have been made:

- deletion of the limitation to metallic mirror cases and handles;
- replacement of water and dry heat test by reprocessing test;
- deletion of hollow-handle leak test.

Introduction

This document specifies requirements for a type of dental viewing and retracting instrument in common use throughout the world.

However, it is well known that there are also other types of intra-oral mirrors in use which have different designs and/or are made of different materials. Amongst these other types are mirrors with a polished metal reflecting surface (as opposed to a coated glass surface).

Standardization of these other types may form the subject of future work.

Dentistry — Intra-oral mirrors

1 Scope

This document specifies requirements and test methods for reusable intra-oral mirrors with a coated glass reflecting surface used for dental purposes in the oral cavity.

In addition, specific requirements for metallic casing and metallic handles are given.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 263, *ISO inch screw threads — General plan and selection for screws, bolts and nuts — Diameter range 0,06 to 6 in*

ISO 724, *ISO general-purpose metric screw threads — Basic dimensions*

ISO 965-1, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data*

ISO 1942, *Dentistry — Vocabulary*

ISO 5864, *ISO inch screw threads — Allowances and tolerances*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

intra-oral mirror

mouth mirror

handheld dental instrument for intra-oral inspection or inspection and retraction generally comprising the mirror head and the mirror handle

Note 1 to entry: See [Figure 1](#).

3.2

mirror head

assembly comprising a glass reflective surface, casing, packing (if present) and stem

3.3

stem

part of the intra-oral mirror connecting the reflecting surface to the handle

3.4

reflecting surface

layer applied to the mirror glass for the purpose of reflecting light

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