



NSAI
Standards

Irish Standard
I.S. EN ISO 9873:2019

Dentistry - Intra-oral mirrors (ISO 9873:2019)

I.S. EN ISO 9873:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN ISO 9873:2019 is the adopted Irish version of the European Document EN ISO 9873:2019, Dentistry - Intra-oral mirrors (ISO 9873:2019)

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EUROPEAN STANDARD

EN ISO 9873

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2019

ICS 11.060.20

Supersedes EN ISO 9873:2017

English Version

Dentistry - Intra-oral mirrors (ISO 9873:2019)

Médecine bucco-dentaire - Miroirs endobuccaux (ISO 9873:2019)

Zahnheilkunde - Intraoralspiegel (ISO 9873:2019)

This European Standard was approved by CEN on 20 March 2019.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 9873:2019 (E)

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European foreword

This document (EN ISO 9873:2019) 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of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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

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Endorsement notice

The text of ISO 9873:2019 has been approved by CEN as EN ISO 9873:2019 without any modification.

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**INTERNATIONAL
STANDARD**

**ISO
9873**

Fourth edition
2019-03

Dentistry — Intra-oral mirrors

Médecine bucco-dentaire — Miroirs endobuccaux



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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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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 www.iso.org/directives).

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For an explanation of 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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

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

This fourth edition cancels and replaces the third edition (ISO 9873:2017), of which it constitutes a minor revision. The main changes compared to the previous edition are as follows:

- recommendation for maximum length of intra-oral mirror has been reduced from 178 mm to 173 mm in [4.1.1](#);
- requirement for distortion has been added in [4.3.4](#);
- requirement for handle has been clarified in [4.5](#);
- resistance to reprocessing requirement has been clarified in [4.6](#);
- requirement for UDI code has been added in [Clause 6](#).

Introduction

This document specifies requirements for intra-oral viewing and retracting instruments which are in common use in dentistry.

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 can 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 inch*

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*

ISO 17664, *Processing of health care products — Information to be provided by the medical device manufacturer for the processing of medical devices*

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:

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

3.1

intra-oral mirror

mouth mirror

handheld dental instrument for intra-oral inspection or inspection and tissue 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

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