



SLOVENSKI STANDARD
SIST EN ISO 7494:2000
01-januar-2000

Dental units (ISO 7494:1996)

Dental units (ISO 7494:1996)

Zahnärztliche Behandlungsgeräte (ISO 7494:1996)

Units dentaires (ISO 7494:1996)

ITEH STANDARD PREVIEW
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Ta slovenski standard je istoveten z: EN ISO 7494:1997

[SIST EN ISO 7494:2000](https://standards.iteh.ai/catalog/standards/sist/cc499960-0867-45ff-a4c6-aa73fcd0fa77/sist-en-iso-7494-2000)

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ICS:

11.060.20 Z[à [c @ ã } æ] ! ^ { æ Dental equipment

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 7494

September 1997

ICS 11.060.20

Descriptors: see ISO document

English version

Dental units (ISO 7494:1996)

Units dentaires (ISO 7494:1996)

Zahnärztliche Behandlungsgeräte (ISO 7494:1996)

This European Standard was approved by CEN on 30 August 1997.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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EN ISO 7494:1997

Foreword

The text of the International Standard from Technical Committee ISO/TC 106 "Dentistry" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 March 1998, and conflicting national standards shall be withdrawn at the latest by March 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 7494:1996 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)
Normative references to international publications
with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 1942-4	1989	Dental vocabulary - Part 4: Dental equipment	EN 21942-4	1993
ISO 6875	1995	Dental patient chair	EN ISO 6875	1996
ISO 9680	1993	Dental operating light	EN ISO 9680	1996
ISO 9687	1993	Dental equipment - Graphical symbols	EN ISO 9687	1995
IEC 601-1	1988	Medical electrical equipment - Part 1: General requirements for safety	EN 60601-1	1990

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INTERNATIONAL
STANDARD

ISO
7494

Second edition
1996-03-15

Dental units

Units dentaires
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Reference number
ISO 7494:1996(E)

ISO 7494:1996(E)**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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 7494 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 6, *Dental equipment*.

This second edition cancels and replaces the first edition (ISO 7494:1990), of which it constitutes a technical revision.

Annex A forms an integral part of this International Standard.

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International Organization for Standardization
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Dental units

1 Scope

ISO 7494 is one of a series of International Standards based on IEC 601-1; in IEC 601-1 (the "General Standard"), this type of International Standard is referred to as a "Particular Standard". As stated in 1.3 of IEC 601-1:1988, the requirements of this International Standard take precedence over those of IEC 601-1.

This International Standard specifies requirements and test methods for dental units, regardless of their construction and regardless of whether or not they are electrically powered.

It also specifies requirements for manufacturer's instructions, marking and packaging.

NOTE 1 For dental patient chairs see ISO 6875, and for dental operating lights see ISO 9680.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1942-4:1989, *Dental vocabulary — Part 4: Dental equipment*.

ISO 6875:1995, *Dental patient chair*.

ISO 9680:1993, *Dental operating light*.

ISO 9687:1993, *Dental equipment — Graphical symbols*.

IEC 601-1:1988, *Medical electrical equipment — Part 1: General requirements for safety*.

3 Definitions

For the purposes of this International Standard, the definitions given in IEC 601-1 apply, as appropriate, and the following definitions from ISO 1942-4.

3.1 dental equipment: Furniture, machines, apparatus and accessories thereto, specially manufactured and/or presented for the use of authorized persons in the practice of dentistry and/or its associated procedures. [ISO 1942-4]

3.2 dental unit: Item of dental equipment consisting of an assembly of interconnected sub-units of dental equipment and instruments providing a functional unit for dental use. [ISO 1942-4]

4 Classification

4.1 According to type of protection against electric shock

Dental units may be classified as follows:

a) Class I equipment

Equipment in which protection against electric shock does not rely on basic insulation only, but which includes an additional safety precaution in such a way that means are provided for the connection of accessible conductive parts to the protective (earth) conductor in the fixed wiring of the installation so that accessible conductive parts cannot become live in the event of a failure of the basic insulation.

b) Class II equipment

Equipment in which protection against electric shock does not rely on basic insulation only, but