



EESTI STANDARDI EESSÕNA NATIONAL FOREWORD

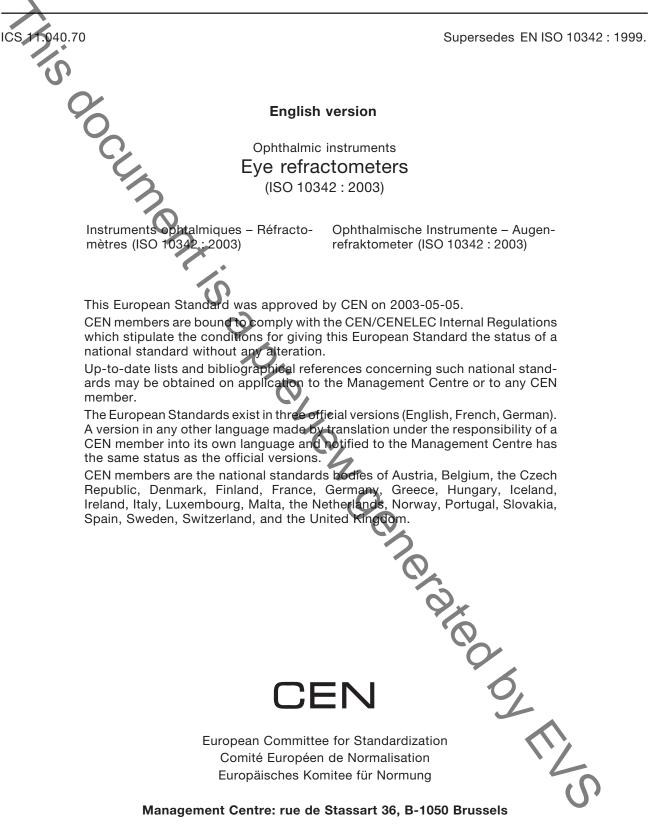
Käesolev Eesti standard EVS-EN ISO 10342.2004 sisaldab Euroopa standardi EN ISO 10342:2003 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 10342:2004 consists of the English text of the European standard EN ISO 10342:2003.
Käesolev dokument on jõustatud 23.11.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 23.11.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.
Käsitlusala: This International Standard, together with ISO 15004, specifies requirements and test methods for eye refractometers using an objective measuring principle. This International Standard takes precedence over ISO 15004, if differences exist.	Scope: This International Standard, together with ISO 15004, specifies requirements and test methods for eye refractometers using an objective measuring principle. This International Standard takes precedence over ISO 15004, if differences exist.
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Standardite reprodutseerimis- ja levitamisõigus kuulub Eesti Standardikeskusele

# EN ISO 10342

# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

May 2003



# Foreword

International Standard

ISO 10342 : 2003 Ophthalmic instruments - Eye refractometers,

which was prepared by ISO/TC 172 'Optics and optical instruments' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 170 'Ophthalmic optics', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by November 2003 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria. Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

# Endorsement notice

The text of the International Standard ISO 10342 : 2003 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to

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## 1 Scope

This International Standard, together with ISO 15004, specifies requirements and test methods for eye refractometers using an objective measuring principle.

This International Standard takes precedence over ISO 15004, if differences exist.

# 2 Normative references

The following referenced documents are indispensable for the application 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 7944:1998, Optics and optical instruments — Reference wavelengths

ISO 8429:1986, Optics and optical instruments - Ophthalmology - Graduated dial scale

ISO 13666:1998, Ophthalmic optics — Spectacle lenses — Vocabulary

ISO 15004:1997, Ophthalmic instruments — Fundamental requirements and test methods

IEC 60601-1:1988, Medical electrical equipment — Part 1: General requirements for safety

## 3 Terms and definitions

For the purposes of this International Standard, the terms and definitions given in ISO 13666 as well as the following apply.

## 3.1

#### eye refractometer

instrument with continuous or digital readout used for measuring the refractive errors of the eye

## 3.2

#### tolerance

difference between mean measured value and nominal value

## 4 Requirements

## 4.1 General

The eye refractometer shall conform to the general requirements specified in 150 15004.