



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 13485:2002

ICS 17.200.20
67.260

**THERMOMETERS FOR MEASURING THE AIR
AND PRODUCT TEMPERATURE FOR THE
TRANSPORT, STORAGE AND DISTRIBUTION
OF CHILLED, FROZEN,
DEEP-FROZEN/QUICK-FROZEN FOOD AND
ICE-CREAM - TESTS, PERFORMANCE,
SUITABILITY**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13485

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English version

**Thermometers for measuring the air and product temperature for
the transport, storage and distribution of chilled, frozen, deep-
frozen/quick-frozen food and ice cream - Tests, performance,
suitability**

Thermomètres pour le mesurage de la température de l'air
et des produits pour le transport, l'entreposage et la
distribution de denrées alimentaires réfrigérées, congelées,
surgelées et des crèmes glacées - Essais, performance,
aptitude à l'emploi

Thermometer zur Messung der Luft- und
Produkttemperatur für den Transport, die Lagerung und die
Verteilung von gekühlten, gefrorenen, tiefgefrorenen
Lebensmitteln und Eiskrem - Prüfungen, Leistung,
Gebrauchstauglichkeit

This European Standard was approved by CEN on 28 September 2001.

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 Management Centre 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 Management Centre 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.



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

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EN 13485:2001 (E)

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 141 "Pressure gauges - Thermometers - Means of measuring and/or recording temperature in the cold chain", the secretariat of which is held by AFNOR.

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 May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.

This European Standard is a document meeting the objectives of directives :

- 92/1/EEC of January 15, 1992 of the Commission of the monitoring of temperatures in the means of transport, warehousing and storage of quick-frozen foodstuffs intended for human consumption ;
- 92/2/EEC of January 13, 1992 of the Commission laying down the sampling procedure and the community method of analysis for the official control of the temperatures of quick-frozen foods intended for human consumption ;
- 93/43/EEC of June 14, 1993 of the Council of the hygiene of foodstuffs and in particular on "temperature control criteria".

Annex A is informative.

This standard contains a Bibliography.

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.

EN 13485:2001 (E)

Introduction

This European Standard specifies the technical and functional characteristics of thermometers. It does not define the location of the thermometer and its sensors with respect to types of usage such as transport, storage and distribution.

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