

# ILNAS

Institut luxembourgeois de la normalisation  
de l'accréditation, de la sécurité et qualité  
des produits et services

## ILNAS-EN ISO 80000-1:2013

### Quantities and units - Part 1: General (ISO 80000-1:2009 + Cor 1:2011)

Größen und Einheiten - Teil 1:  
Allgemeines (ISO 80000-1:2009 + Cor  
1:2011)

Grandeurs et unités - Partie 1: Généralités  
(ISO 80000-1:2009 + Cor 1:2011)

04/2013



## National Foreword

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EUROPEAN STANDARD **EN ISO 80000-1**  
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April 2013

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English Version

**Quantities and units - Part 1: General (ISO 80000-1:2009 + Cor  
1:2011)**

Grandeurs et unités - Partie 1: Généralités (ISO 80000-  
1:2009 + Cor 1:2011)

Größen und Einheiten - Teil 1: Allgemeines (ISO 80000-  
1:2009 + Cor 1:2011)

This European Standard was approved by CEN on 14 March 2013.

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## Foreword

The text of ISO 80000-1:2009 + Cor 1:2011 has been prepared by Technical Committee ISO/TC 12 "Quantities and units" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 80000-1:2013.

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of an identical text or by endorsement, at the latest by October 2013, and conflicting national standards shall be withdrawn at the latest by October 2013.

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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### Endorsement notice

The text of ISO 80000-1:2009 + Cor 1:2011 has been approved by CEN as EN ISO 80000-1:2013 without any modification.

ILNAS-EN-ISO 80000-1:2013

# INTERNATIONAL STANDARD

# ISO 80000-1

First edition  
2009-11-15

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## Quantities and units

### Part 1: General

*Grandeurs et unités*

*Partie 1: Généralités*

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Reference number  
ISO 80000-1:2009(E)



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of ISO 80000-1 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 80000-1 was prepared by Technical Committee ISO/TC 12, *Quantities and units* in co-operation with IEC/TC 25, *Quantities and units*.

This first edition of ISO 80000-1 cancels and replaces ISO 31-0:1992 and ISO 1000:1992. It also incorporates the Amendments ISO 31-0:1992/Amd.1:1998, ISO 31-0:1992/Amd.2:2005 and ISO 1000:1992/Amd.1:1998. The major technical changes from the previous standard are the following:

- the structure has been changed to emphasize that quantities come first and units then follow;
- definitions in accordance with ISO/IEC Guide 99:2007 have been added;
- Annexes A and B have become normative;
- a new normative Annex C has been added.

ISO 80000 consists of the following parts, under the general title *Quantities and units*:

- *Part 1: General*
- *Part 2: Mathematical signs and symbols to be used in the natural sciences and technology*
- *Part 3: Space and time*
- *Part 4: Mechanics*
- *Part 5: Thermodynamics*
- *Part 7: Light*
- *Part 8: Acoustics*
- *Part 9: Physical chemistry and molecular physics*
- *Part 10: Atomic and nuclear physics*
- *Part 11: Characteristic numbers*
- *Part 12: Solid state physics*

IEC 80000 consists of the following parts, under the general title *Quantities and units*:

- *Part 6: Electromagnetism*
- *Part 13: Information science and technology*
- *Part 14: Telebiometrics related to human physiology*