INTERNATIONAL STANDARD

ISO 5725-1

First edition
1994-12-15

Accuracy (trueness and precision) of measurement methods and results —

Part 1:
General principles and definitions

Exactitude (justesse et fidélité) des résultats et méthodes de mesure — Partie 1: Principes généraux et définitions

Reference number
ISO 5725-1:1994(E)

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Contents

Page

1 Scope 1

2 Normative references 1

3 Definitions 2

4 Practical implications of the definitions for accuracy experiments 4

4.1 Standard measurement method 4

4.2 Accuracy experiment 4

4.3 Identical test items 5

4.4 Short intervals of time 5

4.5 Participating laboratories 5

4.6 Observation conditions 5

5 Statistical model 6

5.1 Basic model 6

5.2 Relationship between the basic model and the precision 7

5.3 Alternative models 7

6 Experimental design considerations when estimating accuracy 7

6.1 Planning of an accuracy experiment 7

6.2 Standard measurement method 8

6.3 Selection of laboratories for the accuracy experiment 8

6.4 Selection of materials to be used for an accuracy experiment 10

7 Utilization of accuracy data 11

7.1 Publication of trueness and precision values 11

7.2 Practical applications of trueness and precision values 12

Annexes

A Symbols and abbreviations used in ISO 5725 13

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

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B Charts of uncertainties for precision measures **15**

C Bibliography **17**

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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.

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 5725-1 was prepared by Technical Committee ISO/TC 69, *Applications of statistical methods*, Subcommittee SC 6, *Measurement methods and results*.

ISO 5725 consists of the following parts, under the general title *Accuracy (trueness and precision) of measurement methods and results*:

— *Part 1: General principles and definitions*

— *Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method*

— *Part 3: Intermediate measures of the precision of a standard measurement method*

— *Part 4: Basic methods for the determination of the trueness of a standard measurement method*

— *Part 5: Alternative methods for the determination of the precision of a standard measurement method*

— *Part 6: Use in practice of accuracy values*

Parts 1 to 6 of ISO 5725 together cancel and replace ISO 5725:1986, which has been extended to cover trueness (in addition to precision) and intermediate precision conditions (in addition to repeatability and reproducibility conditions).

Annexes A and B form an integral part of this part of ISO 5725. Annex C is for information only.

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