

Second edition  
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## **Ergonomics of the thermal environment — Instruments for measuring physical quantities**

*Ergonomie des ambiances thermiques — Appareils de mesure des  
grandeurs physiques*



Reference number  
ISO 7726:1998(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.

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 7726 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 5, *Ergonomics of the physical environment*.

This second edition cancels and replaces the first edition (ISO 7726:1985), of which it constitutes a technical revision.

Annexes A to H of this International Standard are for information only.

## Introduction

This document is one of a series of International Standards intended for use in the study of thermal environments.

This series of International Standards deals in particular with

- the finalization of definitions for the terms to be used in the methods of measurement, testing or interpretation, taking into account standards already in existence or in the process of being drafted;
- the laying down of specifications relating to the methods for measuring the physical quantities which characterize thermal environments;
- the selection of one or more methods for interpreting the parameters;
- the specification of recommended values or limits of exposure for the thermal environments coming within the comfort range and for extreme environments (both hot and cold);
- the specification of methods for measuring the efficiency of devices or processes for personal or collective protection from heat or cold.

Any measuring instrument which achieves the accuracy indicated in this International Standard, or even better improves on, may be used.

The description or listing of certain instruments in the annexes can only signify that they are "recommended", since characteristics of these instruments may vary according to the measuring principle, their construction and the way in which they are used. It is up to users to compare the quality of the instruments available on the market at any given moment and to check that they conform to the specifications contained in this International Standard.