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Ergonomics of the thermal environment — Instruments for measuring and monitoring physical quantities

Ergonomie des ambiances thermiques — Appareils et méthodes de mesure et de surveillance des grandeurs physiques

FDIS stage

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Contents ~~Page~~

Foreword

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Field Code Changed

This document was prepared by Technical Committee~~-~~ ISO/TC 159, *Ergonomics*, Subcommittee SC 5, *Ergonomics of the physical environment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 122, *Ergonomics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 7726:~~2001~~1998), which has been technically revised.

The main changes are as follows:

— ~~a)~~ the physical quantities characterizing heat exchanges between a system and its environment have been divided into basic and derived. The basic quantities (like air temperature, irradiation and plane radiant temperature) are measured directly, while the derived quantities (like mean radiant temperature, operative temperature, humidity ratio, etc.) are measured indirectly~~.~~ (see 6.1~~6.1~~ and 6.2~~6.2);~~);

— ~~b)~~ the concept of measurement uncertainty has been introduced (see Clause 11~~Clause 11).~~).

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