
Hydraulic fluid power — Measurement techniques —

Part 1: General measurement principles

Transmissions hydrauliques — Techniques de mesure —

Partie 1: Principes généraux de mesure

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Foreword

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This document was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 8, *Product testing*.

This second edition cancels and replaces the first edition (ISO 9110-1:1990), which has been technically revised.

The main changes compared to the previous edition are:

- new normative and informative references have been added;
- new definitions have been added;
- classes of accuracy to measurement have been renamed;
- assessment of uncertainties has been revised and expanded and general measurement considerations and requirements have been renamed;
- guidance on gravity correction has been added;
- readability uncertainty evaluation has been added;
- determination of uncertainty limits and classification of uncertainties has been combined and uncertainty limit specifications have been renamed;
- frequency of calibration has been revised and assurance control techniques have been renamed;
- total measurement uncertainty clause has been added;
- original [Annex A](#) has been deleted;
- new [Annex A](#) - Measurement System Acceptance Designated Information Sheet, has been added;
- new [Annex B](#) - Uncertainty Propagation, has been added;