

Hydraulik – Mätteknik –
Del 1: Allmänna mätprinciper
(ISO 9110-1:1990, IDT)

Hydraulic fluid power – Measurement techniques –
Part 1: General measurement principles
(ISO 9110-1:1990, IDT)

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Den internationella standarden ISO 9110-1:1990 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av ISO 9110-1:1990.

The International Standard ISO 9110-1:1990 has the status of a Swedish Standard. This document contains the official English version of ISO 9110-1:1990.

SS-ISO 9110-1:2005

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 9110-1 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*.

ISO 9110 consists of the following parts, under the general title *Hydraulic fluid power — Measurement techniques*:

- *Part 1: General measurement principles*
- *Part 2: Measurement of average steady-state pressure in a closed conduit*

Annex A of this part of ISO 9110 is for information only.

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Introduction

The various International Standards listed in annex A provide unified testing methods for comparing the performance of different hydraulic fluid power components. Such comparisons may be made against a written specification (as in the case of production components), against a competitive component of equivalent purpose (for example in the selection of components by prospective purchasers) or between two slightly different designs (as in the case of experimental development). In order for such comparisons to be meaningful, the criteria measured must be valid parameters of the performance of the component under test and the method of measurement used must be capable of reliably determining any significant differences between the components being compared.

This part (ISO 9110-1) relates to general principles for the measurement of static or steady-state conditions. ISO 9110-2 deals with the measurement of average steady-state static pressure in a closed conduit.

Further parts will be published as technology develops.

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