
Pneumatic fluid power — Electro-pneumatic pressure control valves —

Part 2:

**Test methods to determine main
characteristics to include in the
supplier's literature**

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Documentation part 2

Transmissions pneumatiques — Appareils électropneumatiques de distribution à commande continue de pression —

Partie 2: Méthodes d'essai pour déterminer les principales caractéristiques à inclure dans la documentation des fournisseurs

[ISO 10094-2:2021](#)

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 5, *Control products and components*.

This second edition cancels and replaces the first edition (ISO 10094-2:2010), which has been technically revised.

[ISO 10094-2:2021](http://www.iso.org/iso/10094-2:2021)

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The main changes are as follows:

- Addition of definitions for response time, settling time, and shifting time in [Clause 3](#);
- Revision of the procedure for the repeatability test: addition of 15 % and 85 % of the electrical control signal full-scale to tested values (in addition to 50 %) in [7.2.4](#);
- Addition of two subclauses relating to Sensitivity ([7.3.7](#)) and Offset ([7.3.8](#)) respectively;
- Revision of the test procedure to determine leakage characteristics to simplify the test practice ([10.2](#)).
- Deletion of the no tank test version and test circuit from the test practices in [Clause 11](#) related to dynamic characteristics;
- The former [subclause 11.2](#), frequency characteristics, has been made an informative annex ([Annex A](#)).

A list of all parts in the ISO 10094 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.