
**Acceptance tests for CO₂-laser beam
machines for high quality welding and
cutting —**

Part 3:

**Calibration of instruments for measurement
of gas flow and pressure**

*Essais de réception des machines de soudage et de coupage de qualité
par faisceau laser CO₂ —*

*Partie 3: Étalonnage des instruments de mesure de débit et de pression
des gaz d'assistance*

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this part of ISO 15616 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15616-3 was prepared by the European Committee for Standardization (CEN) in collaboration with Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 10, *Unification of requirements in the field of metal welding*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this document, read "...this European Standard..." to mean "...this International Standard...".

ISO 15616 consists of the following parts, under the general title *Acceptance tests for CO₂-laser beam machines for high quality welding and cutting*:

- *Part 1: General principles, acceptance conditions*
- *Part 2: Measurement of static and dynamic accuracy*
- *Part 3: Calibration of instruments for measurement of gas flow and pressure*

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Foreword

This document (EN ISO 15616-3:2003) has been prepared by Technical Committee CEN/TC 121, "Welding", the secretariat of which is held by DS, in collaboration with ISO/TC 44 "Welding and allied processes".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2003, and conflicting national standards shall be withdrawn at the latest by September 2003.

This European Standard "Acceptance test for CO₂ – laser beam machines for high quality welding and cutting" consists of the following parts:

- *Part 1: General principles, acceptance conditions*
- *Part 2: Measurement of static and dynamic accuracy*
- *Part 3: Calibration of instruments for measurement of gas flow and pressure*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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