Gas welding equipment - Pressure gauges used in Tale of the state welding, cutting and allied processes



FESTI STANDARDI FESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 5171:2010 sisaldab Euroopa standardi EN ISO 5171:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.05.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 24.03.2010.

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This Estonian standard EVS-EN ISO 5171:2010 consists of the English text of the European standard EN ISO 5171:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.05.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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ICS 17.100, 25.160.30

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EUROPEAN STANDARD

EN ISO 5171

NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Gas welding equipment - Pressure gauges used in welding, cutting and allied processes (ISO 5171:2009)

Matériel de soudage au gaz - Manomètres utilisés pour le soudage, le coupage et les techniques connexes (ISO 5171:2009)

Gasschweißgeräte - Manometer für Schweißen, Schneiden und verwandte Prozesse (ISO 5171:2009)

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Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of ISO 5171:2009 has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 5171:2010 by Technical Committee CEN/TC 121 "Welding" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by September 2010, and conflicting national standards shall be withdrawn at the latest by September 2010.

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Endorsement notice

The text of ISO 5171:2009 has been approved by CEN as a EN ISO 5171:2010 without any modification.

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Gas welding equipment — Pressure gauges used in welding, cutting and allied processes

1 Scope

This International Standard specifies requirements for Bourdon-tube pressure gauges normally used with compressed gas systems at pressures up to 30 MPa (300 bar) in welding, cutting and allied processes. It also covers use for dissolved acetylene and for liquefied gases under pressure.

It does not cover gauges for acetylene in acetylene-manufacturing plants.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 7-1, Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation

ISO 228-1, Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation

ISO 497, Guide to the choice of series of preferred numbers and of series containing more rounded values of preferred numbers

ISO 4589-2:1996, Plastics — Determination of burning behaviour by oxygen index — Part 2: Ambient-temperature test

ISO 9539, Materials for equipment used in gas welding, cutting and allied processes

ISO 10102, Assembly tools for screws and nuts — Double-headed open-ended engineers' wrenches — Length of wrenches and thickness of the heads

ANSI/ASME B1.20.1, Pipe threads, general purpose (inch) 1)

3 Terms and definitions

For the purposes of this document, the following definitions apply.

3.1

Bourdon-tube pressure gauges

device incorporating elastic tube with direct indication by pointer and graduated scale of the pressure being measured

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