INTERNATIONAL STANDARD

ISO 14617-6

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Graphical symbols for diagrams — Part 6: **Measurement and control functions**

Symboles graphiques pour schémas — Partie 6: Fonctions de mesurage et de contrôle



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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.

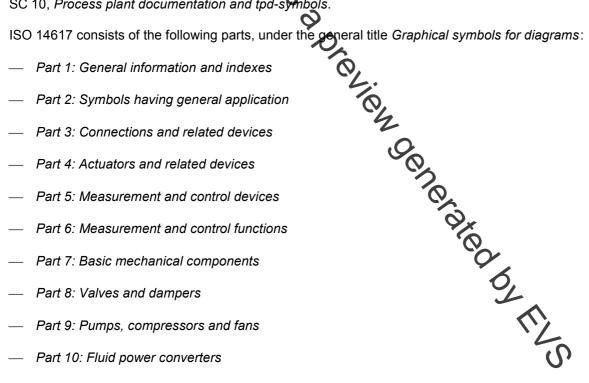
The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are Groulated to the member bodies for voting. Publication as an International Standard requires approval by at least 5 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 14617 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14617-6 was prepared by Technical Committee ISO/TC 10, Technical product documentation, Subcommittee SC 10, Process plant documentation and tpd-symbols.

- Part 11: Devices for heat transfer and heat engines
- Part 12: Devices for separating, purification and mixing
- Part 15: Installation diagrams and network maps

Other parts are under preparation.



Introduction

The purpose of ISO 14617 in its final form is the creation of a library of harmonized graphical symbols for diagrams used in technical applications. This work has been, and will be, performed in close cooperation between ISO and IEC. The ultimate result is intended to be published as a standard common to ISO and IEC, which their technical committees responsible for specific application fields can use in preparing International Standards and manuals.

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Graphical symbols for diagrams —

Part 6: **Measurement and control functions**

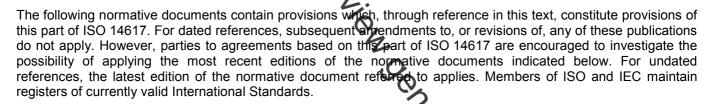
1 Scope

This part of ISO 14617 specifics graphical symbols for measurement and control functions in diagrams, with the same symbols in simple applications possibly representing instead components or devices implementing such functions. For graphical symbols for preasurement and control components and devices, see ISO 14617-5.

For the fundamental rules of creation and application of graphical symbols in diagrams, see ISO 81714-1.

For an overview of ISO 14617, information of the creation and use of registration numbers for identifying graphical symbols used in diagrams, rules for the presentation and application of these symbols, and examples of their use and application, see ISO 14617-1.

2 Normative references



ISO 31-11:1992, Quantities and units — Part 11: Mathematical signs and symbols for use in the physical sciences and technology

ISO 14617-1:2002, Graphical symbols for diagrams — Part 1: General information and indexes

ISO 14617-2:2002, Graphical symbols for diagrams — Part 2: Symbols having general application

ISO 14617-3:2002, Graphical symbols for diagrams — Part 3: Connections and related devices

ISO 14617-4:2002, Graphical symbols for diagrams — Part 4: Actuators and related devices

ISO 14617-5:2002, Graphical symbols for diagrams — Part 5: Measurement and control devices

ISO 14617-8:2002, Graphical symbols for diagrams — Part 8: Valves and dampers

ISO 81714-1:1999, Design of graphical symbols for use in the technical documentation of products — Part 1: Basic rules

IEC 60617-12:1997, Graphical symbols for diagrams — Part 12: Binary logic elements

IEC 60617-13:1993, Graphical symbols for diagrams — Part 13: Analogue elements

IEC 61175:1993, Designations for signals and connections