
Analogue pneumatic signal for process control systems (IEC 60382:1991)

Analogue pneumatic signal for process control systems

Analoges Pneumatik-Signal für Prozeß-, Meß-, Steuer- und Regeleinrichtungen

Signal analogique pneumatique pour des systèmes de conduite de processus

Ta slovenski standard je istoveten z: EN 60382:1993

[SIST EN 60382:1998](https://standards.iteh.ai/catalog/standards/sist/cca4e6eb-72c3-4cb9-ba35-8705b5375dfa/sist-en-60382-1998)

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ICS:

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
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SIST EN 60382:1998**en**

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EUROPEAN STANDARD

EN 60382

NORME EUROPEENNE

EUROPÄISCHE NORM

August 1993

UDC 654.93-85

Descriptors: Industrial-process, measurement and control, analogue signal,
analogue pneumatic signal, pressure

ENGLISH VERSION

Analogue pneumatic signal for process
control systems
(IEC 382:1991)

Signal analogique pneumatique
pour des systèmes de conduite
de processus
(IEC 382:1991)

Analoges Pneumatik-Signal für
Prozeßleitsysteme
(IEC 382:1991)

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which stipulate the conditions for giving this European Standard the status of
a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards
may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German).
A version in any other language made by translation under the responsibility of
a CENELEC member into its own language and notified to the Central Secretariat
has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium,
Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg,
Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 382:1991 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60382 on 6 July 1993.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1994-08-01
- latest date of withdrawal of conflicting national standards (dow) 1994-08-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

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ENDORSEMENT NOTICE
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The text of the International Standard IEC 382:1991 was approved by CENELEC as a European Standard without any modification.

<https://standards.iteh.ai/catalog/standards/sist/60382-1998/iec-382-1991>
8705b5375dfa/sist-en-60382-1998

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

NOTE : When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication	Date	Title	EN/HD	Date
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654-2	1979	Operating conditions for industrial- process measurement and control equipment Part 2: Power	HD 413.2 S1	1981

Other publication

ISO 1000:1981 - SI units and recommendations for the use of their multiples and
of certain other units

[SIST EN 60382:1998](https://standards.iteh.ai/catalog/standards/sist/cca4e6eb-72c3-4cb9-ba35-8705b5375dfa/sist-en-60382-1998)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ANALOGUE PNEUMATIC SIGNAL
FOR PROCESS CONTROL SYSTEMS**

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

iTeh STANDARD PREVIEW

This International Standard has been prepared by Sub-Committee 65A: System aspects, of IEC Technical Committee No. 65: Industrial-process measurement and control.

[SIST EN 60382:1998](https://standards.iteh.ai/catalog/standards/sist/cca4e6eb-72c3-4cb9-ba35-8765b5375d1a/sist-en-60382-1998)

This second edition of IEC 382 replaces the first edition published in 1971.

The text of this standard is based on the following documents:

DIS	Report on Voting
65A(CO)25	65A(CO)28

Full information on the voting for the approval of this standard can be found in the Voting Report indicated in the above table.

ANALOGUE PNEUMATIC SIGNAL FOR PROCESS CONTROL SYSTEMS

1 General

1.1 Scope and object

This International Standard specifies the analogue pneumatic signal used in industrial-process measurement and control systems to transmit information between the elements of such systems.

It is applicable to:

- a) pneumatic controllers;
- b) pneumatic transmitters and information transmission systems.

This standard does not apply to analogue pneumatic signals used entirely within an element.

The object of this standard is to establish:

- a) a standard operating pressure range for pneumatic information transmission systems;
- b) a standard air supply pressure (with limit values) for the operation of pneumatic controllers and transmitters, pneumatic information transmission systems, current-to-pressure transducers, and similar devices.

1.2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 654-2: 1979, *Operating conditions for industrial-process measurement and control equipment. Part 2: Power.*

ISO 1000: 1981, *SI units and recommendations for the use of their multiples and of certain other units.*