INTERNATIONAL STANDARD

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Electrical and pneumatic analogue chart recorders for use in industrial process control systems –

Part 2: Guidance for inspection and routine testing

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Part 2: Guidance for inspection and routine testing

FOREWORD

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International Standard IEC 60873-2 has been prepared by subcommittee 65B: Devices, of IEC technical committee 65: Industrial-process measurement and control.

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

FDIS	Report on voting
65B/513/FDIS	65B/520/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2009. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

ELECTRICAL AND PNEUMATIC ANALOGUE CHART RECORDERS FOR USE IN INDUSTRIAL PROCESS CONTROL SYSTEMS –

Part 2: Guidance for inspection and routine testing

1 Scope and object

This part of IEC 60873 applies to electrical and pneumatic analogue chart recorders (for use in industrial-process control systems), operating from a standardized signal which may be used in process control. It is intended that continuous and dotted line traces, and multiple pen and multiple-channel instruments should be covered. Some tests may not apply to all instruments and additional tests may be required for certain types of recorders.

The object of this standard is to provide technical guidance for inspection and routine testing of electrical and pneumatic analogue chart recorders, for instance, as acceptance tests or after repair. For a full evaluation, or where a recorder is to be used under arduous conditions, (for example, high temperatures), IEC 60873-1 should be used. Whenever possible any tests carried out are to be in accordance with IEC 61298, and the person carrying out the tests needs to have a copy of it to hand and be familiar with it.

Quantitative criteria for acceptable performance should be established by agreement between manufacturer and user, and the report on the tests shall make clear which tests were carried out. The requirements of this standard shall be effective when agreed by the manufacturer and the user.

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.

IEC 60410:1973, *Sampling plans and procedures for inspection by attributes*

IEC 60873-1, *Electrical and pneumatic analogue chart recorders for use in industrial-process control systems – Part 1: Methods for performance evaluation*[1]

IEC 61010-1:2001, *Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements*

IEC 61298 (all parts), *Process measurement and control devices – General methods and procedures for evaluating performance*

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1 To be published.