



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Code for construction and quality acceptance of automation
instrumentation engineering**

自动化仪表工程施工及质量验收规范

(English Translation)

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Explanation of Wording in This Code

List of Quoted Standards

1.0.1

This Code is formulated with a view to improving the construction technique and management level of automation instrumentation engineering, unifying the construction quality acceptance method of automation instrumentation engineering and guaranteeing the engineering quality.

1.0.2

This Code is applicable to the construction and quality acceptance of automation instrumentation engineering.

1.0.3

This Code is not applicable to the automation instrumentation installation engineering at places where explosive substances are manufactured, stored or used as well as the transportation tools or in mines.

1.0.4

Construction of automation instrumentation engineering shall be in accordance with those specified in the design document and this Code.

1.0.5

Where it is necessary to revise the design document or use other material as substitute, it shall be agreed by the original design organization and also be issued with relevant documents.

1.0.6

The instrumentation and instrumentation tap directly installed on equipment or piping shall be constructed in accordance with the requirements on specialization and division of work given in the design document.

1.0.7

Equipment and materials adopted in automation instrumentation engineering shall comply with relevant current standards of the Nation and shall be with the product quality evidentiary documents.

1.0.8

The welding construction in automation instrumentation engineering shall be in accordance with those specified in the current national standards "Code for Construction of Field Equipment, Industrial Pipe Welding Engineering" (GB 50236), "Code for Acceptance of Field Equipment, Industrial Pipe Welding Construction Quality" (GB 50683) and "Code for Acceptance of Construction Quality of Steel Structures" (GB 50205).

1.0.9

Construction and quality acceptance of automation instrumentation engineering not only shall comply with this Code, but also shall comply with those in the current relevant standards of the nation.

2.0.1 Automation instrumentation

A general term of instrumentation units and instrumentation systems which are used to measure and control the measured and manipulated variables.

2.0.2 Measurement

A group of operations with purpose to determine the values.

2.0.3 Control

Purposed activities on system or in system to achieve the specified objective.