UDC 621.51-851-52:681.584.35-831.001.4

JIS

JAPANESE INDUSTRIAL STANDARD

Methods of evaluating the performance of pressure and differential pressure transmitters for use in industrial-process control systems

JIS C 1031—1990

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Methods of Evaluating the Performance of Pressure and Differential Pressure Transmitters for Use in Industrial-Process Control Systems

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1. Scope

This Japanese Industrial Standard specifies methods for evaluating the performance of pressure and differential pressure transmitters for use in industrial-process control systems (hereafter referred to as "transmitters"). The transmitter delt with here means an electronic transmitter or a pneumatic transmitter which is driven by a d.c. power supply, transduces the input pressure or differential pressure into the standardized signal and transmits the output.

Remarks 1. This Standard specifies the type tests of transmitters and does not specify individual test.

This Standard specifies the testing methods for general performances of transmitters, and does not specify the method for special tests such as the fault simulation test for neuclear power generation.

2. Applicable Standards are listed below.

JIS B 0155-Glossary of Terms Used in Industrial Process Measurement and Control

JIS C 0920-Tests to Prove Protection against Ingress of Water for Electrical Equipment

JIS C 1002-Glossary of Terms Used in Electronic Measuring Apparatus

JIS C 1302-Insulation Resistance Testers (Battery Operated)

JIS C 1803-General Rules for Defining Expression of the Performance of Industrial Process Measurement and Control Equipment

JIS Z 8103-Glossary of Terms Used in Instrumentation

JIS Z 8115-Glossary of Terms Used in Reliability

JIS Z 8116-Glossary of Terms Used in Automatic Control (General)

3. International Corresponding Standard to this Standard is given below.

IEC 770 (1984)-Methods of evaluating the performance of transmitters for use in industrial-process control systems.