

# JIS

**JAPANESE INDUSTRIAL STANDARD**

**Instrumentation Symbols**

**JIS Z 8204**—1983

**Translated and Published**

**by**

**Japanese Standards Association**

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

## JAPANESE INDUSTRIAL STANDARD

J I S

## Instrumentation Symbols

Z 8204-1983  
(Reaffirmed: 1994)1. Scope

This Japanese Industrial Standard specifies the instrumentation symbols to express functions of instrumentation control or equipment on the process diagrams of equipment industries such as chemistry, iron and steel, petroleum refining, etc.

**Remark:** It is desirable to use these instrumentation symbols to the following cases:

- (1) Where functions of instrumentation control or equipments are to be described on the design drawings, piping diagrams, specifications, catalogues, written estimates, purchase orders, other technical or trading drawings and documents.
- (2) Where the instrumentation appliances, their accessories, pipings, and wirings are to be identified or marked.

2. Definitions

For the purposes of this standard, the definitions specified in JIS Z 8103 and the following apply.

- (1) instrumentation control equipment A equipment to catch quantitatively each variable or state or further to control.
- (2) instrumentation appliance An appliance to compose the instrumentation control equipment. For example, the appliance to be used for detector, transmitter, display unit, regulator, control valve, etc.

---

**Applicable Standards:**

JIS C 6271-Graphical Symbols for Binary Logic Elements

JIS Z 8103-Glossary of Terms Used in Instrumentation

**Corresponding International Standard:**

ISO 3511/1-1977 Process measurement control functions and instrumentation—Symbolic representation—Part 1: Basic requirements