

JIS

JAPANESE INDUSTRIAL STANDARD

**Operating conditions for
industrial-process measurement
and control equipment**

JIS C 1804—1995

Translated and Published

by

Japanese Standards Association

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

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Operating conditions for industrial-process
measurement and control equipment

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1. Scope This Japanese Industrial Standard specifies environmental operating conditions for industrial-process measurement and control equipment. If there is a standard which defines environmental operating conditions for a specific equipment, this Standard shall be followed.

Remarks 1. The environmental operating conditions dealt with here include environmental conditions to which the equipment is exposed during running, installation period before running, transportation and storage.

2. The following standards are cited in this Standard:

JIS B 0155 Glossary of terms used in industrial process
measurement and control

JIS Z 8103 Glossary of terms used in instrumentation

3. The International Standards corresponding to this Standard are given below.

IEC 654-1 Industrial-process measurement and control
equipment - Operating conditions
Part 1 (1993) Climatic conditions

IEC 654-2 to 4 Operating conditions for industrial-
process measurement and control equipment
Part 2 (1979) Power
Part 3 (1983) Mechanical influences
part 4 (1987) Corrosive and erosive
influences

2. Definitions For the purpose of this Standard, in addition to the definitions given in JIS B 0155 and JIS Z 8103, the following principal definitions apply:

- (1) electromagnetic environment Electromagnetic phenomena existing in a place.
- (2) corrosion The phenomenon whereby living organisms, organic matter, inorganic solids, liquids or gases by themselves or as catalysts can cause or initiate gradual destruction of material through a chemical action.
- (3) erosion The phenomenon whereby living organisms, organic matter, inorganic solids, liquids or gases by their physical properties and their condition can mechanically break down or modify the structure of a variety of materials.