



JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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JIS B 7996 : 2018

**Performance evaluation test method  
of automated concentration  
monitoring instrument of dust in  
flue gas**

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ICS 13.040.40;71.040.40

Reference number : JIS B 7996 : 2018 (E)

Date of Establishment: 2018-01-22

Date of Public Notice in Official Gazette: 2018-01-22

Investigated by: Japanese Industrial Standards Committee  
Standards Board for ISO area  
Technical Committee on Industrial Machinery

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JIS B 7996:2018, First English edition published in 2020-01

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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## Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

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# Performance evaluation test method of automated concentration monitoring instrument of dust in flue gas

## 1 Scope

This Japanese Industrial Standard specifies the method for evaluating performance of automated dust concentration monitoring instruments (hereafter referred to as monitoring instruments) used for continuous and long-term measurement of dust concentration in flue gas that results from combustion of fuel etc. in factories and business facilities. This Standard specifically deals with light scattering, light transmission, and triboelectric monitoring instruments.

Measuring extents and monitoring site conditions of respective types of monitoring instruments are provided in Annex A, and performance criteria and typical configurations of respective types of monitoring instruments, in Annex B.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 1302 *Insulation resistance testers*

JIS K 0211 *Technical terms for analytical chemistry (General part)*

JIS K 0215 *Technical terms for analytical chemistry (Analytical instrument part)*

JIS Z 8103 *Glossary of terms used in measurement*

JIS Z 8703 *Standard atmospheric conditions for testing*

JIS Z 8808 *Methods of measuring dust concentration in flue gas*

JIS Z 8852 *Methods of continuous measurement for dust concentration in flue gas*

JIS Z 8901 *Test powders and test particles*

## 3 Terms and definitions

For the purpose of this Standard, **JIS K 0211**, **JIS K 0215**, **JIS Z 8103**, **JIS Z 8808**, **JIS Z 8852** and **JIS Z 8901**, and the following apply.

### 3.1

#### measuring extent

maximum extent of measurement that the monitoring instrument provides in principle

### 3.2

#### measuring range

specific range of measurement within the measuring extent