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**Methods for determination of  
oxygen in flue gas**

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## Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Environmental Measurement and Chemical Analysis Association (JEMCA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS K 0301:1998** is replaced with this Standard.

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# Methods for determination of oxygen in flue gas

## 1 Scope

This Japanese Industrial Standard specifies the methods for determination of oxygen in flue gas, which is generated from the combustion of fuel and waste, metal refining, chemical reaction processes, etc. and is exhausted to flue, chimney, duct, etc. (hereafter referred to as “duct”)

## 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) listed below shall be applied.

JIS B 7983 *Continuous analyzers for oxygen in flue gas*

JIS K 0050 *General rules for chemical analysis*

JIS K 0055 *General rules for calibration method of gas analyzer*

JIS K 0095 *Methods for sampling of flue gas*

JIS K 0114 *General rules for gas chromatography*

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

JIS K 0214 *Technical terms for analytical chemistry (Chromatography part)*

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

JIS K 0216 *Technical terms for analytical chemistry (Environmental part)*

JIS K 0512 *Hydrogen*

JIS K 0557 *Water used for industrial water and wastewater analysis*

JIS K 1105 *Argon*

JIS K 1107 *Nitrogen*

JIS K 8150 *Sodium chloride (Reagent)*

JIS K 8180 *Hydrochloric acid (Reagent)*

JIS K 8574 *Potassium hydroxide (Reagent)*

JIS K 8780 *Pyrogallol (Reagent)*

JIS K 8893 *Methyl orange (Reagent)*

JIS Z 8401 *Guide to the rounding of numbers*

## 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS K 0211**, **JIS K 0214**, **JIS K 0215** and **JIS K 0216** apply.