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**Measuring method of smoke density
using light extinction method**

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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 Japan Testing Center for Construction Materials (JTCCM) 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 A 1306:2008** is replaced with this Standard.

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Measuring method of smoke density using light extinction method

1 Scope

This Japanese Industrial Standard specifies the photoelectrical method using the light extinction, intended to measure the density of smoke which is generated with the combustion during the combustibility test of building materials.

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 7709-1 *Lamp caps and holders together with gaskets for the control of interchangeability and safety Part 1 : Lamp caps*

JIS C 7709-2 *Lamp caps and holders together with gaskets for the control of interchangeability and safety Part 2 : Lampholders*

JIS C 7710 *Designation method for glass bulbs of lamps*

JIS Z 8703 *Standard atmospheric conditions for testing*

3 Measuring apparatus

3.1 Construction The measuring apparatus shall consist of a light source, light receptor, light stop, constant voltage power source, and indicator (see Figure 1). The light from its source shall be placed to be incident upon the light receptor through the smoke to be measured. During the use of apparatus, the light source and light receptor shall be fixed to prevent the optical axis run-out.

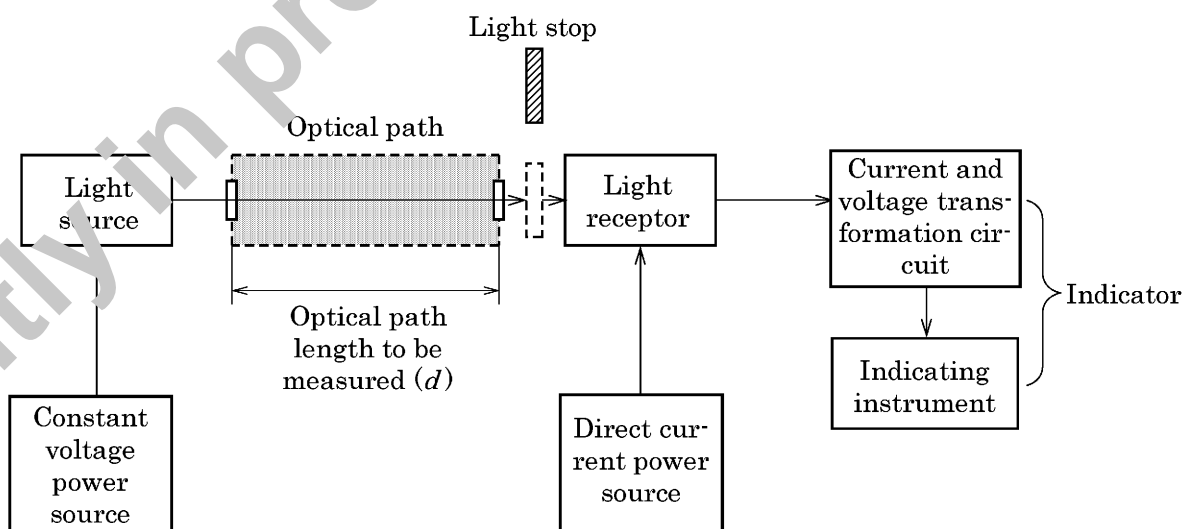


Figure 1 Construction of measuring apparatus (example)