JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 6184 : 2024

(JSA)

Test methods of fiber optic power meters

ICS 33.180.10
Reference number: JIS C 6184 : 2024 (E)

Date of Establishment: 1993-10-01

Date of Revision: 2024-07-22

Date of Public Notice in Official Gazette: 2024-07-22

Developed by: Japanese Standards Association

Investigated by: JIS Development Committee on Electronics

JIS C 6184 : 2024, First English edition published in 2025-07

Translated and published by: Japanese Standards Association
Mita Avanti, 3-11-28, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

Printed in Japan HN

Contents

Page

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by Japanese Standards Association (JSA), an accredited standards development organization. This edition replaces the previous edition (**JIS C 6184** : 1993), which has been technically revised.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister is not responsible for identifying any of such patent rights, published patent application or utility model rights.

Test methods of fiber optic power meters

1 Scope

This Japanese Industrial Standard specifies test methods for fiber optic power meters which have optical connector terminals and are equipped with a detector capable of measuring optic power in the wavelength range from 400 nm to 1 800 nm.

2 Normative references

Part or all of the provisions of the following standards, 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 1002 *Glossary of terms used in electronic measuring apparatus*

JIS C 6186 *Calibration of fiber optic power meters*

JIS C 6188 *Calibration method of measuring optical attenuators*

JIS C 6820 *General rules of optical fibers*

JIS C 6830 *Optical fiber cords*

JIS C 6831 *Jacketed optical fibers*

JIS C 6832 *Silica glass multimode optical fibers*

JIS C 6835 *Silica glass single-mode optical fibers*

JIS C 60068-2-6 *Environmental testing — Part 2-6: Tests — Test Fc: Vibration (sinusoidal)*

JIS C 60068-2-31 *Environmental testing — Part 2-31: Tests — Test Ec: Rough handling shocks, primarily for equipment-type specimens*

JIS Z 8103 *Glossary of terms used in measurement*

JIS Z 8120 *Glossary of optical terms*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in **JIS C 1002**, **JIS C 6186**, **JIS C 6820**, **JIS Z 8103** and **JIS Z 8120** apply.

3.1

detection surface

area effective for detecting light in the input portion of a detector

3.2

multiple reflection