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Profile projectors

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Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Specifications	2
4.1 General	2
4.2 Constructions and names of main components	2
4.3 Magnification error of projection lens when transmitted illumination is used	5
4.4 Magnification error of projection lens when reflected illumination is used	5
4.5 Resolving power of projection lens when transmitted illumination is used	5
4.6 Resolving power of projection lens when reflected illumination is used	5
4.7 Concentricity error of reticle of rotating screen	6
4.8 Angle measurement error of rotating screen	6
4.9 Angular error of reticle of screen	6
4.10 Image displacement due to magnification changes	6
4.11 Squareness between X-axis and Y-axis travelling directions of precision cross-moving table	6
4.12 Measurement error of precision cross-moving table	6
4.13 Mass of object for performance assurance	7
5 Measuring method of each performance	7
5.1 General	7
5.2 Temperature at measurement	7
5.3 Measuring method of magnification error of projection lens when transmitted illumination is used	7
5.4 Measuring method of magnification error of projection lens when reflected illumination is used	7
5.5 Measuring method of resolving power of projection lens when transmit- ted illumination is used	9
5.6 Measuring method of resolving power of projection lens when reflected illumination is used	9
5.7 Measuring method of concentricity error of reticle of rotating screen	10
5.8 Measuring method of angle measurement error of rotating screen	11
5.9 Measuring method of angular error of reticle of screen	11
5.10 Measuring method of image displacement due to magnification changes	12
5.11 Measuring method of squareness between X-axis and Y-axis travelling	

	directions of precision cross-moving table	13
5.12	Measuring method of measurement error of precision cross-moving table	13
6	Information to users	15
6.1	Marking on body and projection lens	15
6.2	Information for users	15
7	Validation of compliance with specifications	15

Foreword

This Japanese Industrial Standard has been 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 Optical Measuring Instruments Manufacturers' Association (JOMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS B 7184** : 1999), which has been technically revised.

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Profile projectors

1 Scope

This Japanese Industrial Standard specifies the requirements for the profile projectors that measure the length, angle and profile of an object by magnifying and projecting the optical image of the object directly onto the screen, which consist of a projection lens, screen, lighting equipment, precision cross-moving table and the body for the support of these components.

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 B 0641-1 *Geometrical Product Specifications (GPS) — Inspection by measurement of workpieces and measuring equipment — Part 1 : Decision rules for proving conformance or nonconformance with specifications*

JIS B 0680 *Geometrical Product Specifications (GPS) — Standard reference temperature for geometrical product specification and verification*

JIS B 7526 *Squares*

JIS B 7536 *Electrical comparators*

JIS B 7541 *Standard scales*

JIS R 6001-2 *Bonded abrasives — Determination and designation of grain size distribution — Part 2 : Microgrits*

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 Z 8120** apply.

3.1

screen

glass panel to display the projected image of object

Note 1 to entry A screen equipped with a rotation mechanism and a reading mechanism of rotation angle is called a rotating screen.

3.2

projection lens