UDC 771.318.5

JIS

JAPANESE INDUSTRIAL STANDARD

Photographic Enlargers

JIS B 7177–1980

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Photographic Enlargers B 7177-1980

1. Scope

1.1 This Japanese Industrial Standard specifies photographic enlargers for general use excluding those for special parposes([1]) and those intended mainly for enlargement of colour photographs, hereinafter referred to as the "enlargers".

Note ([1]) Photographic enlargers for special purposes mean those for aerophotographic survey, photoengraving, microphotography, and the like.

1.2 Enlargers to which this standard is applied shall be of the kind using negatives with aperture dimensions of 100 × 125 (mm) or smaller.

1.3 The enlarger referred to in this standard is the whole equipment consisting of the enlarger body, hereinafter referred to as the "body", and the enlarging lens, hereinafter referred to as the "lens".

2. Performance

2.1 Electrical Safety

2.1.1 Insulation Resistance The insulation resistance of the body shall be 1 MΩ or more.

2.1.2 Dielectric Strength The enlarger shall withstand a voltage of AV 1000 V at the commercial frequency (for enlargers with the rated voltage exceeding 150 V, AC 1500 V) applied to the body, without abnormality for one minute or longer.

2.1.3 Leakage Current The leakage current of enlargers shall be 1 mA or less.

2.2 Light Leaks Enlargers shall produce no fogging density detrimental to their practical use on photosensitive material placed on an easel and on photosensitive material placed adjacent to the easel on the same level due to the light beams other than those transmitted through the lens in 8 min.

Reference: In the case of general photographic paper, the maximum fogging density permissible in practical use is about 0.04 in reflection density.

2.3 Effectiveness of Safety Filter The safety filter for enlargers shall give an easily visible image projected by the light transmitted through it, and shall produce no fogging density detrimental to practical use on the photosensitive material on the easel.

Applicable Standards and Related Regulation: See page 14.