

No. 2068- I

Gloss meter

Gloss is one of the important factors for printing paper; the reflection at 75 degrees is wide spread for general uses, except for papers of high gloss. The principle of this machine is as follows:

Gloss amount of normal reflections is measured by irradiating light beams to the specimen at 75 degrees.

The ratio of this amount to that of normal reflection from the reference black glass surface is determined, and the obtained ratio is given as gloss degree.

This machine, according to JIS P-8142, Z-8741, is designed to measure the gloss degree of mirror surfaces at an angle of 75 degrees, with the following steps: light is irradiated to the specimen, and the light receiver receives a reflection light, converts it to electric signals and amplifies to display the gloss degree on a digital meter.

This machine is provided with an option of a vacuum specimen-fixing system to hold the specimen flat: this improves measurement precision and ease of handling. An optional printer also is provided to print out measurement data.

Incidence angle: $75 \pm 1^\circ$

Life of lamp: approx. 10,000 hours

Effective wavelength: 572 nm

Referential standard: JIS P-8142-1993

Power source: 100/110 VAC 50/60 Hz 0.5A

Outer dimensions: 420×460×380 mm

Instrument weight: 6.4 kg



No. 2068- I

No. 2068- II

Angle-changeable gloss meter

Like the No.2068-I, this machine is designed to measure gloss, and is able to measure reflection of incident lights at desired angles, for a wide range of specimens from low gloss to high gloss.

Light source: 12 V, 10 W

Measurement angle: incident angle 20° to 75°
light-receiving angle 0° to 75°

Measurement angle precision: within $\pm 0.2^\circ$

Standard plate: one plate, black-colored

Referential standard: JIS Z-8741, P-8142-1993

Power source: 100/110 VAC 50/60 Hz 0.5A

Outer dimensions: 450×180×285 mm

Instrument weight: 12 kg



No. 2068- II