

HST-GM75 Gloss Meter



Product Introduction

Gloss meters are widely used in the papermaking, printing, paint, and coating industries to measure the gloss of object surfaces. The instrument's geometric, spectral, and photometric characteristics conform to relevant standards.

The 75° gloss measurement method is mainly suitable for coated paper and paperboard, and can also be used for uncoated paper and paperboard or low-printing-gloss paper and paperboard samples;

The 20° gloss measurement method is mainly suitable for high-gloss paper and paperboard such as cast-coated paper, waxed paper, and varnished paper, and is also suitable for high-printing-gloss paper and paperboard samples and high-gloss inks and paints;

The 45° gloss measurement method is mainly suitable for measuring the gloss of metal-coated paper and paperboard such as aluminum foil paper and vacuum-metallized paper;

The 60° gloss measurement method is mainly suitable for various types of paper, coatings, and paints.

Standards Applied:

GB/T 8941: Paper and paperboard—Determination of specular gloss (20°, 45°, 75°);

GB/T 9754: Paints and varnishes—Determination of specular gloss at 20°, 60°, and 85° for paint films without metallic pigments;

ISO 2813: Paints and varnishes—Determination of specular gloss at 20°, 60°, and 85° for nonmetallic coatings;

Technical Parameters:

1. D65 illumination and CIE photometric function, photometric linearity: 0.3%;
2. Measurement range: 75° angle gloss: 1 ~ 378 (gloss units); 60° angle gloss: 1 ~ 999.5 (gloss units); 45° angle gloss: 1 ~ 509.4 (gloss units); 20° angle gloss: 1 ~ 2037 (gloss units);
3. Measurement repeatability: 0.5 gloss units;
4. Accuracy: 1 gloss unit;

- 5. Sample size (length × width): mm: 50 × 50;
- 6. Power supply: 220V±10%, 50Hz;

Product Features:

- Three-angle integrated design, easy conversion.
- Built-in 4 AA rechargeable NiMH batteries.
- Equipped with a small charger. A 10-hour charge provides over 10 hours of continuous operation. Charger voltage selection: 9V; polarity selection: (+).
- Display: When the battery voltage drops to approximately 4V, the word "LOBAT" will appear in the upper left corner of the display screen.
- Instrument dimensions: 180mm × 105mm × 60mm
- Instrument weight: 1.0kg

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