

Opacity Meter 45°/0

BGD 583

Product Description

This opacity meter is designed for measuring the opacity or luminous reflectance of a grey scale. It is ideal for assessing the hiding power of coatings or performing simple shade sorting tasks on metallized films, anodized aluminum, or ceramics.

The device can calculate the contrast ratio (opacity) and store the data, which can be easily accessed by the operator. It conforms to ISO 2814, ISO 3906, ISO 6504, BS 3900, and DIN 55984 standards.



Standards

- ISO 2814
- ISO 3906
- ISO 6504
- BS 3900
- DIN 55984

Technical Specification

- Small and lightweight, making it easily portable
- No warm-up time required; works immediately after powering on
- Automatic calibration: judges zero point and calibrates with the whiteboard automatically
- Equipped with a USB interface and software for efficient data transmission
- A single 1.5V alkaline battery can power the device for up to 60 hours and 100,000 readings
- Long-term stable light source
- Offers a simple test mode and Statistics Mode
- Calculates reflectance values automatically

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Main Technical Parameters

- Working Angle: 45° (irradiate), 0° (receive); CIE Illuminant C
- Measurement Range: 0-99.9%
- Resolution: 0.1%
- Accuracy: ±1 unit or 1% of full scale
- Repeatability: < 0.5%
- Power Supply: One 1.5V alkaline battery or rechargeable
- Window Size: 12×17mm (ellipse)
- Size: 114×32×64mm
- Weight: 180g
- Testing Environment: 10°C~40°C; relative humidity should not exceed 85%.

Ordering Information: BGD 583 - Opacity Meter

Disclaimer

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