HS-48B BRIGHTNESS TESTER



INTRODUCTION

The instrument is mainly used to test the whiteness of diversified objects such as paper and board, pulps and chemical fiber, textile, plastic, ceramic, enamel, fecula, salt, white cerement, porcelain clayand French chalk, etc. It can also be used to test the optical performance of sheet materials, for example, opacity test.

APPLICATIONS

Paper, Board, Pulps, Chemical fiber, Textile, Plastic, Ceramic, Enamel, Fecula, Salt, White cerement, Porcelain clay and French chalk etc

STANDARDS

Meets ISO 2469, ISO 2470, ISO 2471, GB/T 7933, GB/T7974, GB/T 8940.2, GB/T 1840, GB/T 2913, GB/T 13025.2,GB/T 1543, ISO 2471, GB/T 10339, GB/T 5950 Etc.

SPECIFICATIONS:

1. This instrument complies with GB3978-83; Standard illuminator and illuminating--viewing conditions.

2. Simulate D65 illuminator to illuminate. Adopt d/o illuminating--viewing geometrical coanditions.

Diameter of the diffusion sphere is 150mm and diameter of the testing hole is 25mm.

3. Light absorber is provided to eliminate the effect of specular reflection. Peak wavelength of spectral power distribution of R457 whiteness optical system is 457nm and its half-width is 44nm.

4. Measure and display the whiteness, Fluorescent whiteness (whitening rate) and opacity (%) etc. digitally.

5. Indication error: 0.5%

6. Sample size: Test plate diameter should not be less than 30mm while sample thickness should not exceed 40mm.

7. Power supply: 160V-260V, 50Hz, 0.3A

8. Measure time: 3s

9. Working condition: Temp.0-40oC, relative humidity <85%.

10. Size and weight: L×W×H=365×260×425mm, 11kgCIFICATIONS

FEATURES

1. Measure the Blue Reflectance Factor (R457) of samples. Blue Reflectance Factor is so called "Blue Whiteness" or "ISO Brightness".

2. Analyze the sample to find out whether it contains any fluorescent brightener. If so, measure the fluorescent whiteness further, namely whitening rate.

3. Measure the opacity, transparency, light scattering coefficient and light absorbing coefficient.