

## HS-48ACOLORTESTER

### Color Meter



### INTRODUCTION

1. Make measurement of colour and colour difference reflected by materials.
- 2..Make measurement of ISO brightness (Blue Whiteness R457) and degree of whiteness for Fluorescent whitener.
3. Make measurement of CIE whiteness (Ganz whiteness W10 and Color cast value Tw10) Make measurement of whiteness of building materials and non-metallic minerals.
4. Make measurement of Hunter system Lab and Hunter (Lab) whiteness reflectance factor.
5. Make measurement of yellowness.
6. Make measurement of opacity, transparency, light scattering coefficient and light absorbing coefficient.
7. Make measurement of ink absorption.

### 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 7973, GB 7974, GB 7975, GB 3979, GB 8940.2, GB 2913, GB 1840, GB 13025, GB T/5950, GB 8425, GB 9338, GB 9984.1, GB 13176.1, GB/T 13835.7, GB 4739, GB 6689, GB 8424, GB 11186.1, GB 11942, GB 13531.2, GB 15431, ISO 2471, GB 10339, GB 12911, GB 2409 ect.

## SPECIFICATIONS

1. Repeatability of test:  $\delta(Y_{10}) < 0.1$ ,  $\delta(X_{10}, Y_{10}) < 0.001$ .
2. Accuracy:  $\Delta Y_{10} < 1.0$ ,  $\Delta x_{10}(Y_{10}) < 0.01$ .
3. Sample size: Diameter of the testing plane should be larger than 30mm while the thickness larger than 40mm.
4. Power supply: 170~250V, 50Hz, 0.3A.
5. Working condition: Temp. 10~30°C, relative humidity within 85%
6. Size and weigh: 370×270×410 (mm), 15kg.

## FEATURES

1. Simulate D65 illuminator to illuminate. Adopt CIE 1964 supplementary standard colorimetric system and CIE 1976(L\*a\*b) colour space and colour difference formula.
2. Adopt d/o illuminating--geometrical viewing conditions. Diameter of the globe of diffusion is 150mm and diameter of the testing hole is 25mm. Light absorber is provide to eliminate the effect of mirror reflection.