

## SKZ102A Brightness Meter



Brightness Meter is widely applied in paper and cardboard, pulp, cotton and fabric, plastic, ceramic and porcelain enamel, amylum, construction material, chemical industry, salt making and other testing department that need to test whiteness.

### **Function:**

1. Test  $R_{457}$  or ISO Brightness
2. Analysis if it contains fluorescent whitening agent and determination of reflection fluorescence produced by white fluorescent, that is, degree of whitening
3. Test the brightness value of Y10, that is, the green light diffuse reflectance factor  $R_y$ .
4. Test the non-transparency, transparency, light scattering and light absorption coefficient
5. Test the ink absorption value of paper and board.

### **Standards:**

ISO2470: paper and board Blu-ray diffuse reflectance factor method (ISO brightness);  
ISO2471: paper and cardboard is not transparent method;  
ISO2469: d/o lighting observing geometry terms

### **Technical data:**

1. The diffuse diameter is 150mm and Test whole diameter is 30mm. It uses light absorber to eliminate the influence caused by the specimen's mirror reflecting light.  $R_{457}$  whiteness optical spectral power distribution system in the peak wavelength 457nm, FWHM 44nm, Y10 optical system in line with the GB3979-83; object color measurement.
2. Test and digital show the value of whiteness, fluorescence (whitening) brightness, opacity (%).
3. zero drift:  $\leq 0.1$
4. indication drift:  $\leq 0.1$
5. indication error:  $\leq 0.5$
6. repeatability error:  $\leq 0.1$
7. specular reflection error:  $\leq 0.1$
8. sample size: not less than the test plane  $\phi 30\text{mm}$ , the thickness of no more than 40 samples
9. Power: AC 220V  $\pm 10\%$ , 50HZ, 0.4A.
10. work environment: Temperature 0 ~ 40 °C, relative humidity of not more than 85%
11. size and weight: 375 x 264 x 400 (mm), 18 kg