## Whiteness and Brightness  RWB-216

### Product Description

Through strict testing and debugging, the instrument conforms to JJG 512-2002 whiteness meter verification regulations, Comply with GB3978, GB3979, GB7973, GB7974, ISO2470, GB8904.2, QB1840, GB2913, GB13025.2, GB1543, ISO2471, GB10339, GB5950, GB12911, GB2409 and other standards.

### Product Features

- *The whiteness meter is mainly used to directly measure the whiteness value of objects or powders with flat surfaces.
- * Can be widely used in textile printing and dyeing, paint, chemical building materials, paper and cardboard, plastic products, white cement, ceramics, enamel, talc, starch, flour, salt, detergent, cosmetics and other substances whiteness measurement.
- * It is composed of light source, optical system, detection system, data processing and display system. The whiteness calculation formula of this instrument is blue light whiteness R457.
- * Define the whiteness value of an ideal surface with a diffuse reflectance ratio of 1 across the visible spectral range as 100, and the whiteness of a black surface with a spectral reflectance factor of 0 as 0.
- *Diffuse reflection is the reflection of light projected on a rough surface in all directions. When a beam of parallel incident light is emitted to the rough surface, the surface will reflect the light in all directions, so although the incoming rays are parallel to each other, because the normal direction of each point is inconsistent, causing the reflected light to reflect irregularly in different directions, this reflection is called "diffuse reflection" or "diffuse.Shoot ".
- * USB, RS-232C data line output and PC connection, data collection.
- * There is also a Bluetooth Bluetooth data output option.

### Product Parameters

| Measuring Range | Whiteness: 0~100   Reflectance: 0~100 |
|---|---|
| Resolution | 0.1 |
| Illumination Condition | 45/0 |
| Illuminant | LED 457 nm |
| Whiteness Formula | Blue Light Whiteness WB=R457 |
| Measuring Aperture | 11x18 mm Rectangle |
| Zero Drift | ≤0.1 |
| Stability of Display | ≤0.5 |
| Repeatability | ≤1 |
| Operating Condition | Temperature: 0~40 ℃     Humidity: <85 %RH |
| Power Supply | Lithium Battery |
| Size | 140x44x75 mm |
| Weight | 305 g  (Not including batteries) |

### Product  Accessories

| Standard Accessories | Main Unit, Standard Board, Optical Cleaning Cotton Cloth, Portable case,Instruction manual |
|---|---|
| Optional Accessories | Constant pressure powder shaper,USB/RS232C communication cable and software, Bluetooth adapter and software |