

Automatic Colorimeter

Product Function

- Measure the color and chromatic aberration reflected by the object
- Measure D65 brightness (R457 blue light whiteness)
- Measure the degree of fluorescent whitening produced by the emission sample contains fluorescent whitening agent)
- Measure CIE whiteness (Gantz whiteness W10 and color cast value TW10)
- Measure the whiteness of ceramics, building materials and non-metallic mineral products
- Measure Hunter System Lab and Hunter (Lab) whiteness
- Measure yellowness, ink absorption value
- Measure the opacity, transparency, light scattering coefficient and light absorption coefficient of the sample

Product Features

- Advanced mechatronics design, truly realize one-key testing of whiteness and chroma
- ARM processor improves the response speed of the instrument, and calculates data more accurately and quickly
- The reference sample can be in kind or data. The instrument can store and memorize up to ten reference sample information
- Can store 10 reference samples and have power-off protection, calibration data will not be lost after power-off
- Standard RS232 interface, with computer software for communication (Purchased separately)



Technical Parameters

No.	Parameter item	Technical index
1	Power Supply	AC(100~240)V, (50/60)Hz, 50W
2	Working Environment	Temperature(10~35)°C, Humidity≤ 85%
3	Display	480X272 dot matrix 5 inch color touch screen
4	Light source	Analog D65
5	Integrating sphere	Diameter 150mm
6	Sample Size	Test plate diameter ≥φ30mm while sample thickness≤40mm
7	Indication Accuracy	Chromaticity Coordinate 0.0001,others 0.01
8	Zero Drift	≤0.1
9	Indicating Drift	≤0.5
10	Repetitive Accuracy	≤0.02 (10 consecutive tests at intervals of 10 seconds)
11	Specular Reflectance Accuracy	≤0.1
12	Print	Built-in thermal printer
13	Communication Interface	RS232 (optional)
14	Dimension	385×280×410 mm
15	Net Weight	12.5kg