Brightness Colorimeter

Model: HT-BC

HT-BC is simple to use Digital Brightness Colorimeter. It is the professional instrument to test Whiteness, Yellowness, Chromatic Aberration, Opacity, Transparency, Light Scattering Coefficient, Optical Absorption Coefficient, And Ink Absorption Value.

Digital Display and key board helps in easy setting up and testing.

Application

It Is widely used in Paper, Cardboard Textile, Painting, Chemical, Building Materials, Plastic , Cement, Food, Salt, Ceramics Cosmetic etc.

Standards

ISO 2469 ISO 2470 ISO 2471 ISO 9416 ISO 11475 GB/T 7973 GB/T 7974 GB/T 7975 GB/T 2679 GB/T 1543 GB/T 10339 GB/T 12911 GB/T 22880 GB/T 24288 GB/T 3979 GB/T 2913 GB/T 13025.2 GB/T 5950 GB/T 8424.1 GB/T 8424.2 GB/T 8424.3 GB/T 9338 GB/T 9984.5 GB/T 13173.14 GB/T 13835.7 GB/T 4739 GB/T 6688 GB/T 11186 GB/T 11942 GB/T 22427.6 QB/T 1503 QB/T 2789 HG/T 3862

Features

- ✓ Measure the color of object , report diffuse reflectance factor Rx, Ry, Rz
- ✓ Stimulus value X10, Y10, Z10;chromaticity coordinate x10, y10, z10
- ✓ Lightness L*; Chrominance a*, b*; chromaticity C* ab; hue angle h* ab; dominant wavelength λ d, excited purity Pe, color difference ΔE*ab, lightness difference Δ L*, chromaticity difference ΔC*ab, hue difference ΔH*ab, Hunter system L, a, b
- ✓ Measure ISO(R457)and Rz
- ✓ Measure CIE (W10 and Tw10)
- ✓ Measure .ceramic's whiteness
- ✓ Measure the whiteness of building materials and non-metallic mineral products
- ✓ Measure Yellowness YI
- ✓ Measure Hunter whiteness
- ✓ Measure opacity op
- ✓ Measure transparency T
- ✓ Measure light scattering coefficient S
- ✓ Measure optical absorption coefficient A
- ✓ Measure ink absorption value

Features

- ✓ Has excellent appearance and compact structure, and advanced circuit design can ensure accurate and stable measurement data.
- ✓ Simulate D65 illuminator to illuminate. Adopted CIE 1964 supplementary standard colorimetric system and CIE 1976 (L*a*b) color space and color difference formula.
- ✓ Adopted d/o illuminating--geometrical viewing conditions. Diameter of the globe of diffusion is 150mm and diameter of the testing hole is 30mm.Light absorber is provide to eliminate the effect of mirror reflection.
- ✓ Adopted large-screen high resolution LCD modules. English display and prompt steps can show the results of measurement and statistics. Good human-machine interface makes the instrument easy to operate.
- ✓ Added the printer and used the imported Thermal Printer , no need to use ink and colored tape, no noise and fast speed.
- ✓ Equipped with RS232 interface ,can communicate with the computer software.
- ✓ Has power-off protection, Correct data would not lose
- ✓ Can store 9 reference samples (sample or data)

Specification

Mounting	:	Desk Top
Indication accuracy	:	chromaticity coordinate is 0.0001 others are 0.01
Data's stability	:	≤0.01 within 30min
Sample size	:	Test plate diameter > 30mm Sample thickness < 40mm
Power supply	:	220V±10%, 50Hz

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