Colorimeter XZB-C210
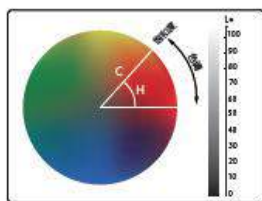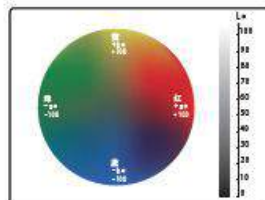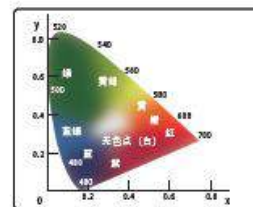

Colorimeter is widely used in different industries such as plastic cement, printing, paint, weaving and dyeing. It measures the sample color data L*a*b*, L*c*h*, color difference ΔE and ΔLab according to CIE color space.

1. Introduction
Device sensor exports Japan and information processing chip is from USA, which guarantee the optical signal transfer accuracy and electrical signal stability. Display accuracy is 0.01, repeated test accuracy △E deviation value is below 0.08.

2. Multiple color space display color values : L*a*b、L*c*h、Yxy
Being the most commonly used testing device, our colorimeter with built-in color display indicators transformation program, which makes our device could be used for color testing in many different industries. And it do not need convert the measurement data by manual so it greatly improve the work efficiency.

CIE L*c*h*Color Space   CIE L*a*b* color space   Yxy Color Space

3. Can Test Degree of Whiteness and Yellowness
Degree of Whiteness: Hunter whiteness, Gantz whitness
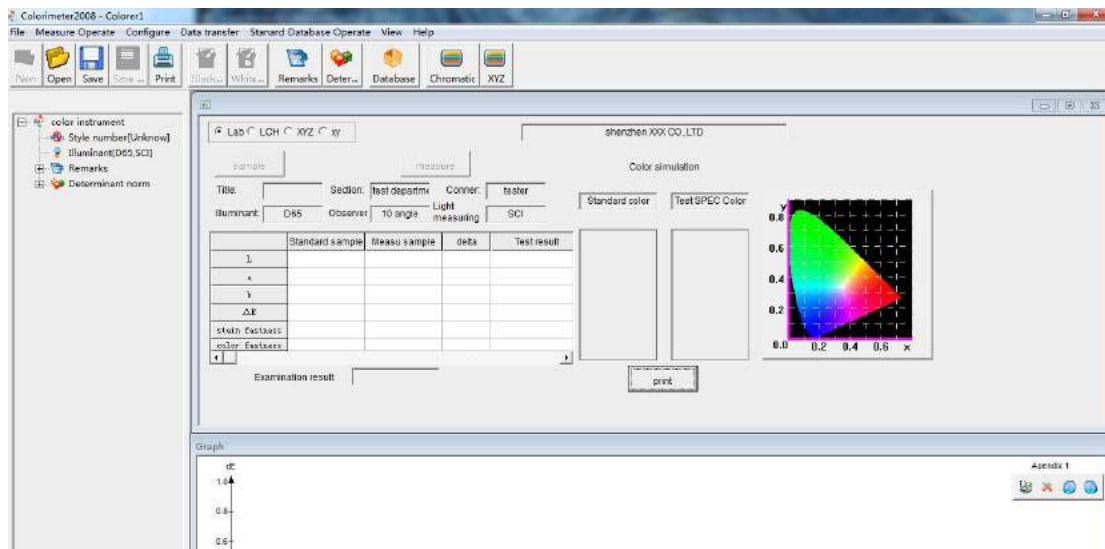Degree of Yellowness: YI

4. Ergonomic Design
Instrument girth radian designs according to human palm so we could test data for a

long time with it. Superior leather design increases the friction in case of fingers sliding.

5. Free Color Management Software

Real-time display of qualified or not, generate testing report, save the color data, suitable for the enterprise to evaluate color and control the color data.

6. Establish the Prototype Data L*a*b* by manually

The standard samples can be manually set to meet the color difference test if there is no sample in hand.

7. The device could store 100 standard sample groups and every sample group could store 100 sample data.

8. Test different points on sample and get the average value. It is widely used for color control whose color is not uniform.

9. Advantages

XZB-C210 includes a camera for measurement spot view. Previous color measurement instrument can only align with the test spot approximately, and can

easily incur errors.

10. More Pictures

11. Technical Data

Type	XZB-C210

Illumination system	8/d（8°/diffused illumination）
	SCI
Testing Port Diameter	About 8mm
Measuring conditions	CIE 10° standard observer; CIE D65 light source
Measuring range	L*：1-100
Repeatability	Standard deviation within△E*ab*，below 0.08(testing condition: measure the white calibration board 80 times for average)
Display	Chromaticity Value: L*a*b,L*c*h, △E*ab,XYZ,Yxy, Relative RGB,color difference △E*ab, △E*ch Whiteness:Hunter Whiteness, Ganz Whiteness; Yellow: YI
Storage	100 sets of standard samples; up to 100 under each standard sample
Measuring time	About 0.5 seconds
Measuring light source	LED
languages	Chinese, English
Power	Four AA1.5V Alkaline battery or nickel-metal hydride batterys; Exclusive DC5V adapter
Port	USB2.0 printer
Weight	550g
Size	77×86×210mm
Other Function	Build-in Micro Camera

12. Application

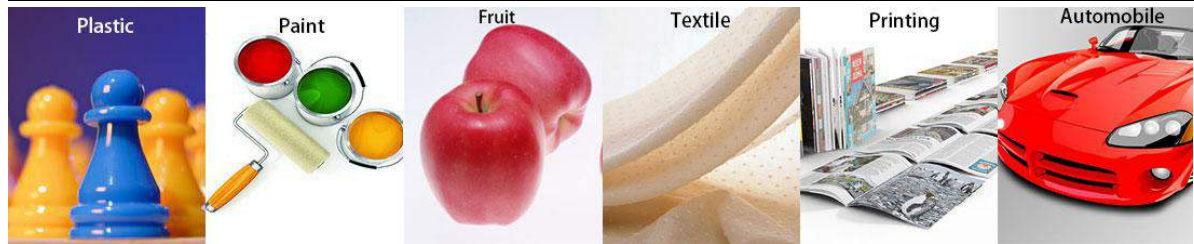**XZB ELEC** ShenZhen Xinzhibang Inst. & Eqpt. Co., Ltd

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13. Technical Support

a. One Year Guarantee Time.

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