SPECTROPHOJO METER

TABLETOP

CS-820N

www.itokin2000.com



CS-820N is newest model of bench-top spectrophotometer.It is all-in-on model and can measure both reflectance and transmittance. It can measure both opaque and transparent materials such as paint, textile, plastic, master batches, printing materials,etc.













Part 1. Introduction

CS-820N is the new model of bench-top spectrophotometer. It is all-in-on model and can measure both reflectance and transmittance. It can measure both opaque and transparent materials such as paint, textile, plastic, master batches, printing materials, glasses, liquid and powder materials, etc.

Part 2. Instrument Advantages

Instrument adopts xenon lamp It can measure both reflectance and transmittance

Auto temperature and humidity compensation function

4 kinds of UV modes for choices

4 test apertures as standard accessories, auto aperture size recognition

10 million samples storage memory

Instrument is with camera to view the measurement area

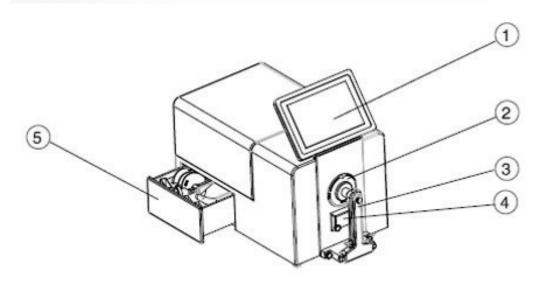
Vertical and horizontal measurement for testing different kinds of samples

SPECTROPHOTO METER TABLE TOP

CS-820N

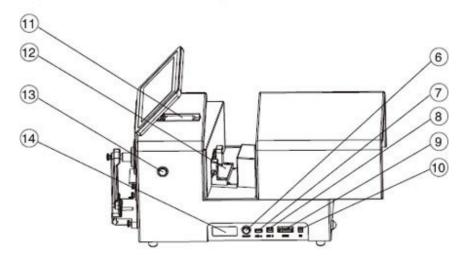


Part 3. Bench-top Spectrophotometer Structure



- 1 Touch Screen
- 2 Test Aperture
- 3 Fixture

- 4 Support
- 5 Drawer for Accessories



- 6 Switch on-off
- 7 USB-A
- 8 USB-B
- 9 RS-232

- 10 Power Outlet
- 11) Screen Anti-shake Bracket
- 12 Transmittance Fixture
- 13 Test
- 14 Nameplate

- 15 Top Cover Slide lock
- 16 Manual Damper
- 17 Bench

SPECTROPHOTO METER TABLE TOP CS-820N

Spectrophotometer Application



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Specification

	Reflection: d/8(Diffused illumination, 8 degree viewing)
Illumination/ Viewing System	Simultaneous measurement of SCI/SCE (ISO7724/1, CIE No.15, ASTM E1164,DIN5033 Teil7,JIS Z8722 Condition C standard)
	Transmittance d/0(Diffused illumination, 0 degree viewing)
Sphere Diameter	152mm
Wavelength	360-780nm
Wavelength Pitch	10nm
Reflectance Range	0-200%
Resolution	0.01%
Light Source	Pulse Xenon Lamp
UV Measurement	Include UV, 400nm cut, 420nm cut, 460nm cut
Measurement Aperture	Reflectance: XLAV Φ25.4mm/Φ30mm, LAVΦ15mm/18mm,MAVΦ8mm/Φ11mm,SAVΦ3mm/Φ6mm (Aperture size can be custom made) Auto aperture size recognition
	Transmittance:Ф17mm/Ф25mm
Repeatability	XLAV Spectrum Reflectance/Transmittance: standard deviation within 0.1%
	XLAV Chromaticity value: Standard deviation within ΔE*ab 0.015 * When a white calibration plate is measured 30 x at 5-second intervals after white calibration
Inter-Instrument Agreement	XLAV ΔE*ab 0.015 (BCRA Series II, Average measurement of 12 tiles, at 23°C)
Illuminants	A,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12
	CWF,U30,DLF,NBF,TL83,TL84
Display	Reflectance and Transmittance graph/value, color value, color difference values,pass/fail, color simulation, color assessment, haze, liquid chromaticity values, color tendency
Viewing Angles	2° and 10°
Color Spaces	L*a*b, L*C*h, Hunter Lab, Yxy, XYZ
Other Indices	WI(ASTM E313-00,ASTM E313-73,CIE/ISO, AATCC, Hunter, Taube Berger, Stensby)
	YI(ASTM D1925,ASTM E313-00,ASTM E313-73),Tint(ASTM E313-00,CIE,Ganz),Metamerism index milm, stain fastness, color fastness, ISO brightness, R457, A density, T density, E density, M Density, APHA/Pt-Co/Hazen, Gardner, Saybolt, ASTM color, Haze, Total Transmittance, Opacity, Color Strength
Color Difference	ΔE*ab, ΔE*CH, ΔE*uv, ΔE*cmc, ΔE*94, ΔE*00, ΔE*ab(hunter),555 shade sort
Language	Chinese and English (or Custom made)
Storage Memory	8GB
Screen Size	7 Inches Touch Screen
Operate Temperature	5-40°C(40-104F), relative humidity 80% (at 35°C) no condensation
Storage Temperature	Accessories
Accessories	Black Calibration Cavity, White Calibration Tile, Power Adaptor, Operate Manual, PC software (CD), USB Cable, Reflectance Test Support,30mm,18mm,11mm and 6mm apertures, fixture for transmittance
Optional Accessories	Support for vertical measurement, liquid heater (transmittance)
Interface	USB and RS-232
Instrument Size	430x240x260mm

SPECTROPHOTO METER TABLE TOP CCOOL

ติดต่อสอบถามได้ที่

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