



45/0 PORTABLE SPECTROPHOTOMETER

The NEW Modern Instruments 45/0 Portable Spectrophotometer is a small lightweight portable 45/0 geometry colour measuring instrument, XD 2330 is also equipped with 60° gloss measurement. 45/0 geometry is the most consistent with the visual perceptual colour value, which can completely eliminate the specular light on the surface of the texture, and the built-in gloss sensor can accurately measure the gloss of the surface. It is suitable for the colour and gloss measurement of automotive interior parts, textiles, coil coatings, plastic products, road traffic representations, packaging and raw materials.

Features

- Instrument adopts 45/0 geometry (45 ring-shaped illumination, 0 degree viewing)
- Compatible with 60 Degree Gloss Measurement (XD 2330)
- Comply with International Measurement Standards
- Colour QC Software
- Comes with Verification Certification
- Low power consumption design



Brand name	45/0 Portable Spectrophotometer	
Model Number	XD 2329	XD 2330
Function	Color	Color, 60° Luster
Geometry	45/0(45 ring-shaped illumination,0 observe degree)	
Aperture	11mm	
Wavelength	400-700nm	
Wavelength interval	10nm	
Sensor	High sensitivity silicon photodiode	
Illumination	LED	
Repeatability	light splitting reflectivity: standard deviation within 0.08%	
	color values; $\Delta E^*ab \leq 0.03$ (After calibration, standard deviation of 30 measurements on test white board, 5 second intervals),Maximum: 0.05	
Inter-instrument agreement	ΔE^*ab within 0.2(BCRA color charts II, average of the 12 charts)	
Language	English, Chinese	
Observer	2°/ 10°	
Light Source	A,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12,CWF,U30.DLF,NBF,TL83,TL84.U35	
Color space	CIE-L*a*b, L*C*h, L*u*v, XYZ, Yxy, Reflectance Hunterlab, Munsell MI,CMYK,RGB,HSB	
Index	WI(ASTM E313-10,ASTM E313-73,CIE/ISO, AATCC, Hunter, Taube Berger, Ganz, Stensby); YI(ASTM D1925, ASTM E313-00,ASTM E313-73); Tint(ASTM E313,CIE,Ganz)	
	Metamerism index Milm, Stick color fastness, Color fastness	
	ISO luminance, 8 gloss, A density, T density, M density, E density	
Color Difference	$\Delta E^*ab, \Delta E^*CH, \Delta E^*uv, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*94, \Delta E^*00, \Delta Eab$ (Hunter),555 shade sort	
Color Space	CIE-15-2004; ASTM-D523; ASTM-D2244; ASTM D2457	
Test Angle	60°	
Test Area	5x10 mm	
Test Range	0 – 1000 GU	
Repeatability	0.2GU(0-100GU)	
	0.2%(100-1000GU)	
Reproducibility	1.0 GU(0-100GU)	
	1.0%(100-1000GU)	
Illumination Life Time	10 years 3 million test	
Language	English, Chinese	
Data storage	20000 test results	
Interface	USB	
Screen	2.8 inch color screen	
Battery capacity	Rechargeable, 10000 continuous tests, 7.4V/6000mAh	
Work temperature range	0~45°C, relative humidity 80% or below(at 35°C),no condensation	
Size	181*73*112mm(L*W*H)	
Weight	Approx. 800g(does not include battery's weight)	
Standard accessories	AC adapter, lithium battery, manual, color management software, driver software, manual electronic version, color Management tutorial, data cable, black and white correction tube, portable bag	
	Gloss Calibration Tile	
Optional accessories	Measurement Area Locator	



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