

Product	LUMINANCE COLORIMETER		
Model	CI800	CI700	CI503
Wavelength Range	350~800nm	360~780nm	400~700nm
Wavelength Interval	1nm		/
Spectrophotometric Mode	Concave Grating		CIE XYZ Filter
Lv Range	0.1~200000cd/m ²		
Accuracy (Light A)	Lv: ±4% ±1 display value xy: ±0.004 (>5cd/m ²)		Lv: ±5% ±1 display value xy: ±0.006 (>5cd/m ²)
Repeatability (Light A)	Lv: 0.2% ±1 display value xy: 0.001 (>10cd/m ²) xy: 0.002 (5~10cd/m ²)		Lv: 0.2% ±1 display value xy: 0.001 (>10cd/m ²) xy: 0.002 (5~10cd/m ²)
Measure Angle	1°		
Measurement Area	minimum Φ6mm; Distance=100mm, minimum area Φ6mm; Distance=200mm, minimum area Φ14mm; Distance=500mm, minimum area Φ30mm; Distance=1000mm, minimum area Φ55mm;		
Measurement Mode	Auto mode, Continuous mode, Average mode, Flash mode (except CI503)		
Measuring Time	Auto mode: 0.2~5 s		Auto mode: 0.003~5 s
Observer Angle	2° (CIE1931)		
Color Space	CIE XYZ, Lv xy, Lv u'v', Spectrum (except CI503)		
Colorimetric Index	1. Lv, CCT (K), CRI; CIE31x, y; CIE76u', v'; CIE31X, Y, Z; Duv, SDCM, S/P; Peak (nm), Center (nm), Centroid (nm); λ, PE, PC; Le, Lvis, Luv, Lb, Lg, Lr, Lrb, R (%), G (%), B (%); 2. Flicker (Hz), Modulation (%); (except CI700) 3. Display screen Gamut, Gamut Area (%), ΔCuv; 4. CQS CRI, Color Fidelity Qf, Gamut Index Qg and Qp; TM-30 Color Fidelity Rf and Gamut Index Rg; TLCI-2012 (except CI700); 5. Points/9 Points Uniformity; 6. Safety of lamps; 7. CIE31 xy diagram, CIE76 u'v' diagram, CRI/CQShistogram, CRI/CQS radar chart, MacAdam ellipse diagram, White Balance diagram		1. Lv, CCT (K); CIE31x, y; CIE76u', v'; CIE31X, Y, Z; Duv, SDCM; λ d, PE, PC; 2. Display screen Gamut, Gamut Area (%); 3. Points/9 Points Uniformity; 4. CIE31 xy diagram, CIE76 u'v' diagram, MacAdam ellipse diagram
Data Storage	Sample 10000 Pcs	Sample 8000 Pcs	Sample 2000 Pcs
Dimension	L*W*H=154X62X37mm		
Weight	about 200g		
Battery	Li-ion battery, 3.7V, 4000mAh (8000 measurements within 24 hours)		
Display	2.8-inch TFT color LCD, Capacitive Touch Screen		
Data Port	Type C USB, Bluetooth 5.0 (Customizable WIFI)		
Language	English, Chinese		
Operating Environment	-10~40°C (0~85%RH/no condensing)		
Storage Environment	-20~50°C (0~85%RH/no condensing)		
Standard Accessory	Power adapter, USB cable, manual (Electronic Version), Protective Cover, PC Software (Download from office website), Wrist strap, Wiping Cloth		