

Model	CL900	CL800	CL700
Product	SPECTRAL IRRADIANCE COLORIMETER	SPECTRAL IRRADIANCE COLORIMETER	SPECTRAL IRRADIANCE COLORIMETER
Standard	GB/T 7922 ,GB/T 5700,GB/T 5702, JJG 245, GB/T 24824, GB / T 36979, ANSI C78 377, GB 50034, CIE S 009, GB / T 20145, GB/T 9473, CIE S 025, GBT 32655, GB/T 15609		
Wavelength	320~800nm	350~800nm	360~780nm
Wavelength Interval	1nm		
Spectrophotometric Mode	Concave Grating		
Ev Range	0.1~2000001x		
Accuracy (Light source A)	Ev: ±4% ±1 display value xy: ±0.0015 (10~2000001x) xy: ±0.002 (5~101x)		
Repeatability (Light source A)	Ev: 0.5% ±1 display value xy: 0.0005 (500~2000001x) xy: 0.001 (100~5001x) xy: 0.002 (20~1001x) xy: 0.004 (5~201x)		
Cosine Response	Ev: ≤3%		
Measurement Mode	Auto mode, Flash mode, Continuous mode, Average mode, Flicker mode (no function in CL700)		
Measuring Time	Auto mode: 0.2~10 s		
Observer Angle	2° (CIE1931)		
Color Space	Spectrum, CIE XYZ, Ev xy, Ev u'v'		
Colorimetric Index	<p>1. Ev, CCT (K), CRI; CIE31x, y; CIE76u', v'; CIE31X, Y, Z; Duv, SDCM, S/P, White Balance; Peak (nm), Center (nm), Centroid (nm); λd, PE, PC; Ee, Evis, Euv, Eb, Eg, Er, Efr, Eir, Erb, R (%), G (%), B (%);</p> <p>2. PAR, PPF, YPF, Kppfv, PPF-uv, PPF-R, PPF-G, PPF-B, PPF-FR, PPF-IR, E-ch A and E-ch B, E-p, Erb-p;</p> <p>3. Flicker (Hz), Modulation (%); (no function in CL700)</p> <p>4. Display screen Gamut, Gamut Area (%), ΔCuv; 5 Points/9 Points Uniformity;</p> <p>5. CQS CRI, Color Fidelity Qf, Gamut Index Qg and Qp; TM-30 Color Fidelity Rf and Gamut Index Rg; TLCI-2012 (no function in CL700);</p> <p>6. UVA, UVI, Es-uv, Es-B, RG (BLH), PermitTime (S); (no function in CL700)</p> <p>7. CIE31 xy diagram, CIE76 u'v' diagram, CRI/CQS histogram, CRI/CQS radar chart, MacAdam ellipse diagram, White Balance diagram</p>		
Data Storage	Sample 10000 Pcs (Including reference records)	Sample 10000 Pcs (Including reference records)	Sample 8000 Pcs (Including reference records)
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, PC Software (Download from office website), Protective Cover, Wrist strap, Wiping cloth		
Notes:	The specifications are subject to change without notice		