

Spectra Series Product Line Comparison

Spectra is designed to deliver advanced color measurement and quality control capabilities across a range of applications, enabling teams to achieve consistent, accurate results at every stage of production. The following comparison highlights key differences across the Spectra product line, helping you identify the right solution based on your specific operational needs, measurement precision, and integration requirements.



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Measurement Technology	S60	S62	S64	
Measuring Geometrics	D/8°, holographic grating, SPIN / SPEX			
	Single aperture	Dual aperture	Multiple aperture	
	Spectral Range / Interval	400-700nm / 10nm	400-700nm / 10nm	360-750nm / 10nm
	Measurement Range	0 to 200% reflectance		
Measuring Time	Approx. 2 seconds			
Measurement Intelligence	S60	S62	S64	
NetProfiler Support	n/a	Embedded		
Sample Preview Camera	Video only	Video Preview		
Sample Temperature	n/a	Non-contact measurement		
Accuracy & Repeatability	S60	S62	S64	
Inter-Instrument Agreement	Avg. 0.30 ΔE*ab	Avg. 0.18 ΔE*ab	Avg. 0.12 ΔE*ab	
MAV, SPIN, 12 BCRA Series II	Max. 0.60 ΔE*ab on any tile	Max. 0.36 ΔE*ab on any tile	Max. 0.25 ΔE*ab on any tile	
Short-Term White Repeatability	0.04 ΔE*ab	0.02 ΔE*ab	0.01 ΔE*ab	
Color Data & Calculations	S60	S62	S64	
Standard Observers (group with illuminants)	2° & 10°			
Illuminant Types: Group under UI/output	A, C, D50, D65, F2, F7, F11, F12, TL83, TL84, TL85, U30, LED B2, LED B3, LED B4			
Color Spaces, Indices, Functions: (subscription dependent)	Color Spaces: Lab, L*a*b* + Δ, L*C*h° + Δ			
	Color Difference Equations: ΔE*(CIE76), ΔEcmc, ΔE94, ΔE00			
	Whiteness Indices: WI98 / CIE Whiteness + Δ, WI Stensby + Δ, WI Berger + Δ, WI Hunter + Δ, WI Taube + Δ			
	Yellowness Indices: YI D1925 + Δ, YI E313 (98) + Δ, YI E313 (73) + Δ			
	Other Indices: Metamerism MI DIN 6172			
Ecosystem & Compatibility	S60	S62	S64	
Data compatibility (following recommended practice)	Ci6x series	Ci6x series	Ci6x series and Ci7000 series	
Apertures Ci6x compatible Illuminated/Measured	MAV MAV: 14mm/10mm	MAV, SAV MAV: 14mm/10mm; SAV: 10mm/5mm	MAV, SAV MAV: 14mm/10mm; SAV: 10mm/5mm	
Apertures Ci7xxx compatible Illuminated/Measured	n/a	n/a	14mm/10mm, 10mm/5mm, 6mm/3mm, 4mm/2mm	
NetProfiler support	n/a	Embedded		
QC App Additional Functions	Reflectance +Δ, Pass / Fail, Strength, Opacity			

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Optical & Illumination	S60	S62	S64
Light Source	Tunable LED = Ci6x illumination	Ci6x illumination, Ci6x D65	Ci6x & Ci7xxx illumination (UV cut 400nm and 420nm, D65)
Light Source Life	> 10 million measurements		
Hardware & Design	S60	S62	S64
Battery	Non-Removable (Li-ion), 3.6 VDC, 4750 mAh		
Charge Time	Approx. 4 hours - 100% capacity		
Charging Requirements	USB C, 5VDC @ 3A		
Display	4.0 inch backlit Color Touch LCD		
Data Interface	n/a	USB C, Wi-Fi*	
Operating Temperature Range	50° to 104°F (10° to 40°C), 85% relative humidity maximum (non-condensing)		
Storage Temperature Range	-20° to 50°C / -4° to 122°F		
Weight	750 grams excluding accessories		
Dimensions	Height 157mm, Length 132mm, Depth 82mm		
Industry Standards (ASTM, CIE, ISO, DIN)	ASTM D2244, ASTM E308, ASTM E1164, CIE 15, DIN 5033 Teil 7, DIN 6172, DIN 6174, DIN 6730, ISO 17972 (CxF)		
Languages	English (en), French (fr), Italian (it), German (de), Spanish (es), Portuguese (pt), Japanese (ja), Chinese - Traditional (zh_TW), Chinese - Simplified (zh_CN), Polish (pl), Korean (ko), Greek (el), Turkish (tr)		
Accessories Provided	Calibration standards, Wrist Lanyard, Storage Shoe, Flat Surface Shoe, USB C cable		
	Carrying Case (small)		Carrying Case (standard size)
	n/a		USB C power supply
	n/a		NetProfiler Tile Set
	n/a		Hand strap
	14mm Aperture plate	14mm and 10mm Aperture plates	14mm, 10mm 6mm and 4mm Aperture plates
Device Apps Supported	Compare, QC	Compare, QC, Connected	Compare, QC, Connected, Advanced QC
Options	Benchtop stand, Cup and cylinder stand, Sample presentation fixtures, Spare Screen protectors		



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