Spectrophotometer Comparison: 939 | 530 | SpectroEye

SPECTROPHOTOMETER OPTIONS:

MEASUREMENT TECHNOLOGY	939	530	SpectroEye
General Positioning	• Ink room, QC • For laboratory/production requring high degree inter-instrument agreement • Large aperture available	• Pressroom • Workhorse for constant use	• Ink room, QC, pressroom

Aperture Sizes	• 4mm, 8mm or 16mm
	• User changeable, all included
		• Standard: 3.4mm
		• Optional: 530-S: 2.0 mm
		    530-L: 6.0 mm
		    530-P: 1.6mm x 3.2mm
		• (Optional Aperture Kit: Allows change between 3.4, 2.0 or 6.0 mm apertures. Cannot change apertures with 1.6mm x 3.2mm aperture)
			• 4.5mm or 3.2mm
			• Selectable upon order
			• Not changeable

Physical Filters	• No Filter • Optional UVcut Filter	• No Filter • Optional Polarization Filter • Optional UVcut Filter • Manually changeable by user • Polarization filter only for 3.4mm and 6mm apertures	• No Filter • Polarization Filter • D65-Filter (Approximated daylight) • Optional UV Cutoff-Filter • All filters automatically changeable
Spectral Analysis	• DRS Technology, 31 point engine	• DRS Technology, 24 point engine	• Holographic diffraction grating
Measurement Geometry	• Circular 0:45 geometry for orientation independent positioning	• Circular 45:0 geometry for orientation independent positioning	• Annular 45:0 geometry for orientation independent positioning
Calibration Reference	• White and black trap included	• White included, black trap optional	• White included, black trap not req.
White Calibration	• Manual, with alert	• Manual, with alert	• Automatic on integrated reference

x-rite

PANTONE®

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FEATURES	939	530	SpectroEye
Densitometry Functions: Density, Dot Gain, Trap...	YES	YES	YES
Major Colorimetry Functions: CIE L*a*b*, CIE L*C*h...	YES	YES	YES
Best Match	NO	NO	YES
Color Deviation Formulas	• ΔE*CIELAB, ΔE*94, ΔE CMC	• ΔE*CIELAB, ΔE*94, ΔE CMC	• ΔE*CIELAB, ΔE*2000, ΔE*94, ΔE CMC, ΔE FMCII
PANTONE® Libraries	• Only with digital PANTONE® library in X-RiteColor® Master or other software	• PANTONE® PLUS Series (coated, uncoated), one library at a time	• PANTONE® PLUS Series (coated, uncoated) and PANTONE® Goe™ libraries (coated, uncoated), all libraries simultaneously
ISO 12647-2/G7/PSO Reference data sets	• Can be added via X-RiteColor® Master software	YES	YES
Pass/Fail Indication	• Clear Pass/Fail indication with green or red light	NO	• Pass/fail indication on instrument display
Memory	• Up to 1,024 standards w/tolerances and up to 2,000 sample readings	• 1424 library references • 24 standards	• > 10'000 library references • > 2'000 references with tolerances and sample readings
Averaging of Readings	YES	• Supported by software	YES
ColorMaster, InkFormulation, ColorQuality, iQC & other X-Rite software	YES	YES	YES
Upload/Download Jobs to QC Software	• With X-RiteColor® Master	NO	• With X-Rite ColorQuality
Instrument Verification & profiling w/NetProfiler	• Tethered profiling available when using X-RiteColor® Master or Color iQC/iMatch software.	NO	YES
Carrying Case	• Hard-sided case included	• Soft case included	• Hard-sided case included
Warranty	• 1 year, unless different local regulations apply	• Industry-leading 3 year warranty	• 1 year, unless different local regulations apply