

X-Rite 530 Spektraldensitometer



X-Rite 530 Spectrodensitometer

Advanced spectrodensitometer for pressroom, ink lab or testing lab providing spectral, color, and density measurements. Connects to X-Rite's IntelliTrax auto scanning system, and complements X-Rite's ColorMaster, InkFormulation and other software applications.

Functions

[X] Density

[X] Color*

[X] Match*

[X] Dot

[X] Trap

[X] Print Contrast

[X] Hue Error / Grayness

[X] Paper Indices

[X] Compare

[X] Electronic Function Select (EFS)

*Contains reflectance values ??and graphical representation

Specifications

Measurement conditions

Illuminant types:	A, C, D50, D55, D65, D75, F2, F7, F11, F12
Standard observers:	2°, 10°
Response types:	ISO Status T, ISO Status E, ISO Status I, ISO Status A, G, Tx, Ax, Ex, Hi-Fi

Measurement technology

Spectral range:	400nm to 700nm
Measurement geometry:	45°/0° per ANSI, DIN & ISO Standards
Measurement aperture:	3.4mm (.13in) standard
	2.0mm (.078in) optional
	6.0mm (.236in) optional
	Micro-Spot: 1.6mm (.063in, H) x 3.2mm (.125in, W) optional
Light source:	Gas Pressure @ 2856°
Physical filters:	No (incandescent lamp light), Optional Polarized, Optional UV cutoff
Measurement time:	Approx. 1.4 seconds per single measurement
	Approx. 0.9 seconds in Speed Read mode
Measurement range:	0.00D–2.5D; 0–160%R

Inter-instrument agreement: ± 0.01 D or 1% for typical printing processes

0.40 ?E CMC MAX on 12 BCRA Tiles

Density repeatability: ± 0.005 D for 0.00–2.00 D*

± 0.010 D for 2.00–2.50 D*

*Polarized Yellow: ± 0.010 D for 0.00–1.80 D

Micro-Spot: ± 0.010 D for 0.0–1.8 D

Data interface

Serial data interface: RS-232 with baud rates 1200 to 57.6K

Power supply

Power source: Ni-MH battery pack, 4.8v rated @ 1650mAh

Charge time: Approximately 3 hours

Environmental

Operating temperature: $+10^{\circ}$ to $+35^{\circ}$ C

Humidity: 30%–85% RH non condensing

Mechanical data

Physical dimensions: Length: 197mm (7.8in) Width: 76mm (3.0in) Height: 81mm (3.2in)

Weight: 1050 grams (2.3lbs.)

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