

SPECTRODENSITOMETR TER SPE75-45D



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Spectrodensitometer has the capability of densitometer and measures color and numeric color differences and widely used in the ink printing

SPE75-45D SPECTRODENSITOMETER

45/0 geometrical optics structure, comply with CIE, the testing conditions of M O, M 1, M 2, M 3 stipulated by ISO 13655 standard, it can accurately measure various printing density, overprint rate and other printing parameters.

Accurately measure reflectance spectrum, CMYK density and Lab value of the sample;

High-configuration electronic hardware: 3.5-inch TFT true-color screen, capacitive touch screen, concave grating, 256-pixel dual-array CMOS image sensor, etc.;

Perfect combination of the beautiful appearance and the ergonomic structure design;

Optional apertures: $\Phi 2/4/8$ mm, adapt to more samples;

Large-capacity storage space, over 20,000 test data

Combined LED light sources with long life and low power consumption, including UV light;

USB/Blue2.1 dual communication mode is widely useful;

Especially suitable for process control and quality control of printing plants;

PC software has powerful function expansion.

SPECIFICATIONS

Model	SPE75-45D
Optical Geometry	45/0(45 ring-shaped illumination, 0 degree viewing angle)
Standards compliant	ISO 5-4,CIE No.15 Compliance with ISO 13655 measurement conditions; M0 (CIE Light Source A) M1 (CIE Light Source D50) M2 (Excluding UV light source) M3 (M2+Polarized light filter)
Illuminant	D65, A,C,D50,D55,D65,D75,F2,F7,F11,F12
Spectral Mode	Concave Grating
Sensor	256 Image Element Double Array CMOS Image Sensor
Wavelength Pitch	10 nm
Semi-bandwidth	10 nm
Density Standards	ISO Status A, E, I, T
Density index	Density value, density difference, dot area, dot enlargement, overprint, printing characteristics, printing contrast, tone error and gray level Customized one aperture: $\Phi 2$ mm, $\Phi 4$ mm, $\Phi 8$ mm optional
color space	CIE LAB,XYZ,Yxy,Lch
Color Difference Formula	$\Delta E^*ab, \Delta E^*94, \Delta E^*00$
Other Colorimetric data	/
Observer	2° / 10°
Measurement Time	About 1.5s
Repeatability	Density: Within 0.01 D Chromaticity value:within $\Delta E^*ab 0.04$ (When a white calibration plate is measured 30 times at 5 second intervals after white calibration)
Inter-instrument agreement	Within $\Delta E^*ab 0.2$ (Average for 12 BCRA Series II color tiles)
Measurement Method	Single Measurement, Average Measurement(2-99)
Interface	USB

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