

PRESSROOM TESTING INSTRUMENTS · PRODUCT DATASHEET

Spectrodensitometer YD5010

YD5010 Grating Spectrophotometer Densitometer with 45/0(45 ring-shaped illumination, 0 degree viewing angle), comply to standard ISO 5-4,CIE No.15. It is suitable for using in ink...



CATEGORY	Pressroom Testing Instruments
SUB-CATEGORY	Others
AVAILABILITY	1 in stock
MANUFACTURED	Jul 28, 2025

Description

YD5010 Grating Spectrophotometer Densitometer with 45/0(45 ring-shaped illumination, 0 degree viewing angle), comply to standard ISO 5-4,CIE No.15. It is suitable for using in ink printing, in Film Processing, Textile Printing and Dyeing, Plastic Electronics and Other Industries for Color Measurement and Quality Control;especially suitable for the measurement and quality control of optical density and dot enlargement in ink printing; and it is able to customize single aperture $\Phi 2\text{mm}$, $\Phi 4\text{mm}$, $\Phi 8\text{mm}$. Under multiple color spaces, it can accurately measure various printing density indexes, color difference formulas and color indexes, and can meet the user's regular testing of various parameters.

Technical specification

Model: YD5010

Features: Common spectrophotometer densitometer, apply in ink printing, in Film Processing, Textile Printing and Dyeing, Plastic Electronics and Other Industries for Color Measurement and Quality Control; especially suitable for the measurement and quality control of optical density and dot enlargement in ink printing; able to customize single aperture $\Phi 2\text{mm}$, $\Phi 4\text{mm}$, $\Phi 8\text{mm}$.

Light Source: Combined LED Light, UV Light

Detector: 256 Image Element Double Array CMOS Image Sensor

Wavelength Range: 400~700nm

Measurement Conditions: 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)

Measurement aperture: Customized one aperture: $\Phi 2\text{mm}$, $\Phi 4\text{mm}$, $\Phi 8\text{mm}$ optional

Color Spaces: CIE LAB, XYZ, Yxy, LCh

Color Difference Formula: ΔE^*ab , ΔE^*94 , ΔE^*00

Illuminants: A, C, D50, D55, D65, D75, F2, F7, F11, F12

Measurement Time: About 1.5s

Size(L*W*H): 184*77*105mm

Weight: About 600g

Power source: Li-ion battery. 5000 measurements within 8 hours

Illuminant Life Span: 5 years, more than 3 million times measurements

Display: 3.5-inch TFT color LCD, Capacitive Touch Screen

Data memory: 10000 pcs

Working Environment: Temperature: 0~40°C; Humidity: 0~85% (No Condensation); altitude: less than 2000 m

Storage Environment: Temperature: -20~50°C; Humidity: 0~85% (No Condensation))

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