

PRESSROOM TESTING INSTRUMENTS · PRODUCT DATASHEET

NR60CP Colorimeter

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CATEGORY	Pressroom Testing Instruments
SUB-CATEGORY	Others
AVAILABILITY	1 in stock
MANUFACTURED	Aug 5, 2025

Description

NR60CP cost-effective colorimeter has the advantages of high accuracy, powerful function and precise measurement and is widely used in plastic, electronic, paint, ink, textile, garment, printing and dyeing, food, medical, cosmetic, industries, scientific research institutes, schools and laboratories. It can precisely measure kinds of color indexes in various color spaces and easy to use with powerful functions. The instrument is equipped with high-end color management software which can connect to PC to achieve more extension functions.

Technical specification

Illuminating/Viewing Geometry: 8°/ d

Light Source: LED Light

Sensor: silicon photodiode array

Measuring aperture: Φ8mm flat aperture; Φ4mm tip aperture

Color Space: CIE LAB, XYZ, LCh, CIE RGB, CIE LUV

Color Difference Formula: ΔE^*_{ab} , $\Delta E^*_{(h)}$, ΔE^*_{uv} , ΔE^*_{94} , $\Delta E^*_{cmc} (2:1)$, $\Delta E^*_{cmc} (1:1)$, ΔE^*_{00}

Other Chromaticity Data: WI (E313, CIE, AATCC, Hunter), YI (D1925, 313), Color Fastness, Staining Fastness, JPC79, BFD (1.5:1), FMCI

Observer: CIE 10°

Illuminant: D65, A, C, D50, F2, F6, F7, F8, F10, F11, F12

Display Data: Colorimetric Value, Color Difference Value/Graph, PASS/FAIL Result, Color Offset,

Measuring Time: 1.5s

Repeatability: ΔE^* ab 0.03 (Average of 30 measurements of standard white plate within 5s)

Errors between each instrument: within ΔE^* ab 0.2

Dimension: 205*67*80mm

Weight: 500g

Battery: rechargeable lithium-ion battery 3.7V @ 3200mAh

Lamp Life: 5 years, more than 1.6 million measurements

Screen: TFT 2.8 inch (16:9)

Interface: USB/RS-232

Storage: 100 Standards, 20000 Samples

Operating Temperature: 0~40°C (32~104°F)

Storage temperature: -20~50°C (-4~122°F)

PC software: CQCS3 software

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