

NH300 High-Quality Portable Colorimeter

High-End Brand of Domestic Colorimeter



NH300 Color meter is a mainstream brand colorimeter introduced by 3nh which has synthesized the advantages of ten more traditional imported colorimeters and has experienced ten thousands tests and applied many innovative technologies. Accurate, Stable, Exquisite and Affordable!

NH300 high-quality portable Color meter has adopted multi-channel color sensors of international brands, more stable IC platform as well as efficient and accurate algorithms to provide users with accurate and fast color management and application. NH300 Color meter is also designed with ergonomics and humanized operation and it has applied for a number of patents.

NH300 Color meter is a multifunctional colorimeter with high quality and competitive price. 3nh insists on independent research whose technology innovation is unique in color management field. NH300 Color meter is the most convenient colorimeter for users.

Features of NH300 Colorimeter

1. Leading Humanity Design and Convenient Operatio
2. Stable Measurement Performance
3. Convenient and Fast Locating
4. PC Software—Realize More Function Expansion
5. Advanced Power Management Design

Specifications of NH300 Colorimeter

Model: NH300

Illuminating geometry: 8/d (8° illumination angle/diffuse viewing)

Measuring Aperture: 8mm

Storage: 100pcs standards 20000pcs samples

Repeatability: Standard deviation within ΔE^*ab 0.07; Average of 30 measurements of standard white plate

Errors Between Each Equipment: $\leq 0.40 \Delta E^*ab$

Light source: D65

Lamp Life: 5 years, more than 1.6 million measurements

Data Interface: USB

Temperature Range: -10°C to 40 °C

Humidity Range: less than 85% relative humidity, no condensation

Weight: 500g

Dimensions: 205 x 70 x 100 mm

	NH300	NH310
Illuminating/Viewing Geometry	8/d	8/d
Measuring Aperture	Φ8mm	Φ8mm/Φ4mm
Detector	Silicon photoelectric diode	Silicon photoelectric diode
Color Space	CIEL*a*b*C*h* CIEL*a*b*	CIEL*a*b*C*h* CIEL*a*b* CIEXYZ CIERGB CIEL*u*v* CIEL*C*h* Yellowness & Whiteness Color Fastness
Color Difference Formula	ΔE^*_{ab} $\Delta L^*_{a^*b^*}$ $\Delta E^*_{C^*h}$	ΔE^*_{ab} $\Delta L^*_{a^*b^*}$ $\Delta E^*_{C^*h}$ ΔE_{CIIE94} ΔE_{hunter}
Light Source	D65	D65 D50 A
Light Source Device	LED blue light excitation	LED blue light excitation
Errors Between Each Equipment Storage	$\leq 0.40\Delta E^*_{ab}$	$\leq 0.40\Delta E^*_{ab}$
Repeatability	100pcs standards 20000pcs samples Standard deviation within ΔE^*_{ab} 0.07 Average of 30 measurements of standard white plate	100pcs standards 20000pcs samples Standard deviation within ΔE^*_{ab} 0.06 Average of 30 measurements of standard white plate
Weight	500g	500g
Dimension	205×70×100 mm	205×70×100 mm
Power source	Rechargeable lithium-ion battery 3.7V@3200mAh	Rechargeable lithium-ion battery 3.7V@3200mAh
Lamp Life	5 years, more than 1.6 million measurements	5 years, more than 1.6 million measurements
Charging Time	2 hours (first time 8 hours) --100% electricity	2 hours (first time 8 hours) --100% electricity
Measurement Times Before Recharging	More than 3000 times	More than 3000 times
Operating Temperature/	-10~40°C, relative humidity 0~85% with no condensation	-10~40°C, relative humidity 0~85% with no condensation

Humidity Range		
Data Interface	USB	USB
Extended Aperture (optional)	-	Φ8mm extended aperture, available for measuring concave surface
Printer (optional)	Miniature thermal printer	Miniature thermal printer