

DATASHEET



Brand	3NH	Model	Colorimeter MAX
From	China	Name	Color difference treasure



Specifications

Lighting method	D/8 (diffuse illumination, 8 ° direction reception, including specular reflection SCI), in line with standard CIE No.15, GB/T 3978
Integrating sphere size	F20mm
lighting source	Light spectrum LED light source
Spectroscopic method	Filter spectroscopy
sensor	CMOS dual optical path sensor
Measurement wavelength range	400~700nm
wavelength spacing	10nm
Measurement caliber	F8mm
Light-containing method	SCI
Color space	CIE LAB,XYZ,Yxy,LCh,CIE LUV,s-RGB,HunterLab,βxy,DIN Lab99
Color difference formula	$\Delta E^*ab, \Delta E^*uv, \Delta E^*94, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*00, \text{DIN} \Delta E99, \Delta E(\text{Hunter})$
Other chromaticity indicators	Light spectrum reflectance, WI (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D1925, ASTM 313), isochromatic index Mt
viewing angle	2°/10°
Observation light source	D65,A,C,D50,D55,D75,F1,F2(CWF),F3,F4,F5,F6,F7(DLF),F8,F9,F10(TPL5),F11(TL84),F12(TL83/ U30),U35,NBF,ID50,ID65
display mode	Sample chromatic value, color difference value/graph, pass/fail result, Color simulation, Color bias, reflectance (partially realized through mobile APP)
Measurement time	About 1s
Inter-station difference	$DE^*00 < 0.2$

Measurement stability	Chromatic value: ΔE^*ab within 0.05 (average value of 30 whiteboard measurements in 5s interval)
Whiteboard verification method	Contact automatic whiteboard verification
Measurement requirements	Measurement by country
display accuracy	0.01
size	Ø30*100mm
Weight	About 88g
Battery life	Lithium battery, fully charged, can be continuously tested 12,000 times
Lighting source life	5 years more than 3 million measurements
Display	IPS full color screen, 1.14inch
data interface	Type C USB; Bluetooth 5.0
Store data	10 master standards, 100 samples, mass storage can be expanded through mobile APP
Software Support	Android, IOS, Windows, WeChat Mini Program, Hongmeng, color scheme cloud
Operating language	Simplified Chinese, English
Operating temperature range	0~ 40 °C, 0~ 85% RH (no condensation), altitude: less than 2000m
Storage temperature range	-20~ 50 °C, 0~ 85% RH (no condensation)
Optional accessories	Micro printer, powder test box
Other chromaticity metrics 2	Dip lightfastness, color fastness, force, cover, 555 tone classification, Munsell (C/2) (mobile APP implementation)

Packing list

host X1, manual X1, certificate X1, warranty card X1

After-sales instructions

Warranty days: 1095 days

1. For product quality problems caused by non-human products of instruments and equipment, the manufacturer will provide free warranty services during the warranty period;
2. There is no warranty period for fragile and consumable parts, and if you find product quality problems after receiving the goods, please apply for return and exchange within 7 days, and you will not wait for the overdue ones;

[Note] For after-sales services outside the Chinese mainland, if the instrument requires repair, the shipping and possible associated taxes shall be borne by the sender. Generation address of the manual: <http://en.nbchao.com/p/39042/Specification.html> , which is only used by users who purchase commodities from the NBCHAO.

Created on : 2025/05/04