

**3nh<sup>®</sup>**



**NR200 Precision Colorimeter**

## High-end brands of domestic colorimeter

NR200 is another 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!

### 1. Leading Humanity Design and Convenient Operation

One-touch access to measurement interface

Structure design in line with ergonomics

East-to-use operating interface

### 2. Stable Measurement Performance

The repeatability  $\Delta E$  is 0.08.

Portable structure design which is more conducive to keeping the instrument stable when using.

### 3. Convenient and Fast Locating

Illumination locating is a fast, simple and convenient locating which created by 3nh.

### 4. PC Software—Realize More Function Expansion

3nh has the intellectual property of PC software. The corresponding software serial number and password protection are configured in 3nh colorimeter.

Be able to perform color difference analysis, color difference cumulative analysis, chromaticity index, color sample database management, simulating object color, etc.

### 5. Advanced Power Management Design

3nh is the first enterprise using high capacity Li-ion battery in colorimeter.

3nh Li-ion battery can be repeatedly charged which will save cost. Meanwhile, it can measure more than 3000 times on one charge to ensure the stability of long time measurement.

## NR200 Specifications :

Illuminating/Viewing Geometry	8/d
Measuring Aperture	Φ8mm
Detector	Silicon photoelectric diode
Color Space	CIEL*a*b*C*h* CIEL*a*b*
Color Difference Formula	$\Delta E^*_{ab}$ $\Delta L^*_{a^*b}$ $\Delta E^*_{C^*h}$
Light Source	D65
Light Source Device	LED blue light excitation
Errors Between Each Equipment	$\leq 0.50\Delta E^*_{ab}$
Storage	100pcs standards 20000pcs samples
Repeatability	Standard deviation within $\Delta E^*_{ab}$ 0.08 Average of 30 measurements of standard white plate
Weight	500g
Dimension	205×70×100 mm
Power source	Rechargeable lithium-ion battery 3.7V@3200mAh
Lamp Life	3 years, more than 1 million measurements
Charging Time	2 hours (First time 8 hours--100% electricity)

Measurement Times	Before	More than 3000 times
Recharging		
Operating Temperature/Humidity Range		-10~40°C, relative humidity 0~85% with no condensation
Data Interface		USB
Optional Accessory		Miniature thermal printer, Powder Test Box

