



深圳市三恩驰科技有限公司

Shenzhen 3nh Technology Co., Ltd.

## NR200 High-Quality Colorimeter

3nh colorimeter are widely used in plastic, metal, electronic, paint, ink, textile, garment, printing and dyeing, food, medical, cosmetic, automotive, toy...industries.



### 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

Easy-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.

## Technology Specifications

illuminating/Viewing Geometry	8/d
Measuring Aperture	Φ8mm
Detector	Silicon photoelectric diode
Color Space	CIE L*a*b*C*h* CIE L*a*b*



# 深圳市三恩驰科技有限公司

Shenzhen 3nh Technology Co., Ltd.

<b>Color Difference Formula</b>	$\Delta E^*ab \ \Delta L^*a^*b \ \Delta E^*C^*h$
<b>Light Source</b>	D65
<b>Light Source Device</b>	LED blue light excitation
<b>Errors Between Each Equipment</b>	$\leq 0.50\Delta E^*ab$
<b>Storage</b>	100pcs standards 20000pcs samples
<b>Repeatability</b>	Standard deviation within $\Delta E^*ab$ 0.08 Average of 30 measurements of standard white plate
<b>Weight</b>	500g
<b>Dimension</b>	205x70x100 mm
<b>Power source</b>	Rechargeable lithium-ion battery 3.7V@3200mAh
<b>Lamp Life</b>	3 years, more than 1 million measurements
<b>Charging Time</b>	8 hours--100% electricity
<b>Measurement Times Before Recharging</b>	3000 times in 8 hours
<b>Operating Temperature/Humidity Range</b>	-10~40°C, relative humidity 0~85% with no condensation
<b>Data Interface</b>	USB
<b>Optional Accessory</b>	Miniature thermal printer, Powder Test Box

*\*Note: The specifications are subject to change without notice*