

# NR10QC

## High cost-effective portable colorimeter



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NR10QC is a precision instrument developed and produced based on the relevant standards of CIE (International Commission on Illumination) and national standards. This colorimeter adopts new imported key components, carefully designed, and has the characteristics of precision, stability, simple operation, easy to learn and understand, and affordability.



High cost-effective



Long-life  
LED light source



Customized  
measuring aperture



High hardware  
configuration



## PRODUCT FEATURES

1. High performance and low price.
2. Higher short-term repeatability accuracy:  $\Delta E \leq 0.03$ ;
3. Double locating: Illuminating locating and precise cross locating.
4. Equipped with rechargeable Li-ion battery, no need to purchase battery repeatedly.
5. 4mm measuring aperture, portable structure, suitable for more measuring occasions.
6. White appearance, color box packaging, easy to transport.
7. Built-in white plate parameters, no need to do calibration.
8. Directly use after power on, no need to connect with computer.

The NR10QC economical and practical colorimeter has a user-friendly interface design that allows you to easily learn and operate. It combines lighting and cross dual positioning functions to make measurements more accurate, and the built-in measurement whiteboard makes measurements easier.



## APPLICATION INDUSTRY

NR10QC is suitable for color quality control and color difference detection in industries such as textile, printing and dyeing, clothing, footwear, leather, chemical, plastic, pigment, paint, ink, printing, hardware, photography, toys, food, and medicine.



Spinning and weaving

Leather

Plastics

Paint

Food

Print

Other

## OPTIONAL ACCESSORIES

Equipped with a variety of accessories; Such as micro printer, powder test box to meet the needs of more measurement samples.

### Miniature thermal printer

Easy to carry, without computer can be continuously printed out the measurement of various parameters, easy to save.



### Powder test box

Easy to use, focused on powdered target measurement.



## TECHNICAL SPECIFICATIONS

**Model:** NR10QC

**Illuminating/Viewing Geometry:** 8°/D

**Standard:** CIE No.15, GB/T 3978

**Sensor:** CMOS dual optical sensor

**Measuring Aperture:** 4mm

**Color Space:** CIE LAB

**Observer:** CIE 10°

**Illuminant:** D65

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

**Measuring Time:** 1.5s

**Repeatability:**  $\Delta E^* ab \leq 0.08$  (Average of 30 measurements of standard white plate)

**Dimension:** 205\*67\*80mm

**Errors between each instrument:**  $\Delta E^* ab 0.4$

**Weight:** 400g

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

**Lamp Life:** 5 years, more than 1.6 million measurements

**Screen:** TFT 2.4 inch(16:9)

**Interface:** USB

**Storage:** 100 Standards, 10000 Samples

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

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

**Optional accessory:** miniature thermal printer, powder test box