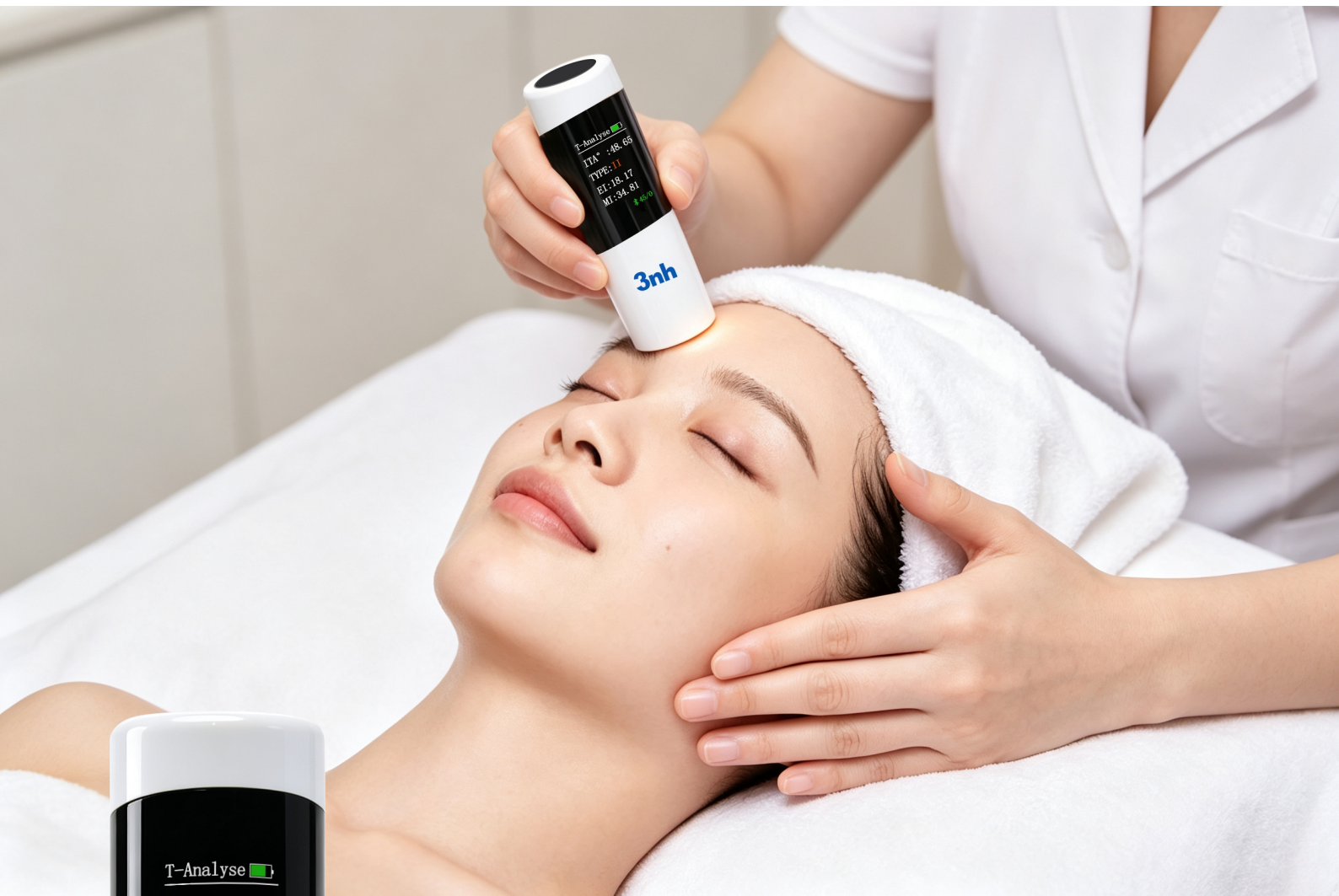




## 4-IN-1 IN-SITU MEASUREMENT — SCIENTIFICALLY DEFINING SKIN TONE

ITA°

Erythema Index (EI)

Melanin Index (MI)

Lab

### Skin Colorimeter PS01

The PS01 Skin Colorimeter is an entry-level portable skin color measurement tool designed for daily skin color reference and rapid colorimetric evaluation. Featuring the same 45/0 optical system and nano-integrated spectral device as flagship models, it delivers full core functionality — making it the ideal choice for chain store deployment and small to medium-sized beauty salons.

## PRODUCT INTRODUCTION

The PS01 excels at delivering quantified skin color data at a lower entry barrier, offering professional-grade skin detection capabilities at an affordable price — enabling more beauty institutions to establish standardized skin color evaluation systems. Core indicators (ITA°, MI, EI) are consistent with flagship models, allowing skin color assessment to move beyond subjective visual judgment and become data-driven. With multi-platform software support for data management and report generation, the PS01 is the preferred device for democratizing skin color detection.

|                                                                                                                |                                                                                  |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  Core Functions               | 4-in-1 In-Situ Simultaneous Measurement (ITA°, MI, EI, Lab*)                     |
|  Optical Technology           | 45/0 optical system + nano-integrated spectral device                            |
|  Efficiency & User Experience | 1-Second Measurement, Cross-Platform Connectivity, Zero-Learning-Curve Operation |
|  Business Value               | Cost-Effective Batch Deployment — Rapid Standardization of Service Systems       |
|  Application Scenarios        | Beauty salons, content creators, efficacy evaluation.                            |

### 1. Four Core Indicators – Complete Skin Overview at a Glance

Built-in ITA° (Individual Typology Angle), skin type classification, Melanin Index (MI), and Erythema Index (EI) — four professional indicators that are fully aligned with higher-end models. Meets daily detection needs with an entry-level price, yet never compromising on functionality.

#### ITA°

Higher value = lighter skin tone. A key indicator for spot-removing and whitening efficacy tests.

#### Ei

Higher value = more pronounced redness (erythema).

#### Mi

Higher value = more pronounced pigmentation.

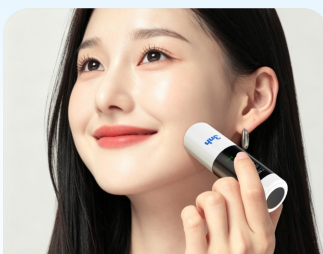
#### Skin Type Classification

A system (Types I–VI) that classifies skin according to its UV response and melanin-producing capacity.



## QUICKLY CAPTURE SKIN TONE OVERVIEW

Scientific Measurement · Cost-Effective · Integrated Design · Compact & Portable



2. Cross-Platform Connectivity – Zero-Learning-Curve Operation

Compatible with Android/iOS/Windows/Mini Programs/HarmonyOS. Built-in automatic white calibration and support for 2–99 times average measurement mode. No professional background required – connect instantly via mobile, computer, or mini program for rapid data synchronization. Automatic calibration eliminates cumbersome steps, while average measurement reduces random errors – empowering non-professionals to obtain reliable data with ease, significantly lowering the learning curve and operational barriers.



3. 1-Second Fast Measurement – Efficient Service, No Waiting

Single measurement takes only about 1 second, quickly capturing skin color data, reducing client waiting time, and boosting store service efficiency – even during peak hours. Enhances the overall client experience.

4. Cost-Effective Batch Deployment

Affordable pricing makes bulk procurement feasible for chain brands. Equip every store with professional detection devices, quickly establish a standardized service system, and enhance overall brand competitiveness and client experience.



APPLICATION INDUSTRIES

Beauty Salons / Small Skin Management Studios:

Build client skin profiles and quantify pre- and post-treatment comparisons

Cosmetics Sales / Beauty Consultants:

Carry it anywhere, measure skin color in 1 second to support product recommendations and build client trust

Skincare Content Creators:

Quickly obtain multi-dimensional skin color data for credible, data-backed content creation

Cosmetics / Skincare Efficacy Evaluation:

Track skin color changes to verify product performance and enable data-driven skincare decisions



Beauty Salons / Small Skin Management Studios



Skincare Content Creators



Cosmetics Sales / Beauty Consultants



Cosmetics / Skincare Efficacy Evaluation

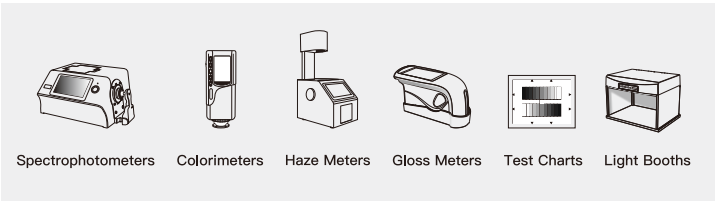
OPTIONAL ACCESSORIES

| Product Name     | Material Code | Image                                                                               | Function                                                                                                                             |
|------------------|---------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Powder Test Box  | 2.006.01.0011 |  | Easy to use, designed specifically for measuring powdered targets.                                                                   |
| USB micro printe | 1.609.01.0020 |  | Portable and convenient, capable of continuous printing without connecting to a computer. All measured parameters are easy to store. |

TECHNICAL SPECIFICATIONS

|                              |                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Model                | PS01 (Skin Colorimeter)                                                                                                                                                                          |
| Illumination Geometry        | 45/0 (45° annular uniform illumination, 0° reception); Compliant with CIE No.15, GB/T 3978, GB 2893, GB/T 18833, ISO 7724-1, ASTM E1164, DIN 5033 Teil 7                                         |
| Features                     | For skin color measurement, convenient measurement of ITA°, skin type, Melanin Index, and Erythema Index. Compact and portable.                                                                  |
| Integrating Sphere Size      | /                                                                                                                                                                                                |
| Illumination Light Source    | Full-spectrum LED light source                                                                                                                                                                   |
| Sensor                       | Silicon photodiode array (dual-row 16 sets)                                                                                                                                                      |
| Measurement Wavelength Range | 400—700 nm                                                                                                                                                                                       |
| Measurement Aperture         | Φ8mm                                                                                                                                                                                             |
| Specular Component           | /                                                                                                                                                                                                |
| Color Spaces                 | CIE LAB                                                                                                                                                                                          |
| Color Difference Formula     | ΔE*ab                                                                                                                                                                                            |
| Other Colorimetric Indices   | ITA°, Skin Type, Erythema Index (EI), Melanin Index (MI)                                                                                                                                         |
| Observer Angle               | 10°                                                                                                                                                                                              |
| Observation Light Source     | D65                                                                                                                                                                                              |
| Display Resolution           | 0.1                                                                                                                                                                                              |
| Measurement Time             | Approx. 1.0 s                                                                                                                                                                                    |
| Display                      | Sample colorimetric values, color difference, pass/fail results, color simulation, color deviation, reflectance (partially via mobile app)                                                       |
| Repeatability                | Colorimetric values: ΔE*ab within 0.05 (after warm-up and calibration, average of 30 measurements of white plate at 5-second intervals)                                                          |
| Measurement Modes            | Single measurement, average measurement (2—99 times) (via mobile app)                                                                                                                            |
| Positioning Method           | /                                                                                                                                                                                                |
| Dimensions                   | Ø32X100mm                                                                                                                                                                                        |
| Weight                       | Approx. 88 g                                                                                                                                                                                     |
| Battery                      | Lithium battery, up to 12,000 measurements on a full charge                                                                                                                                      |
| Display                      | IPS full-color screen, 1.14-inch                                                                                                                                                                 |
| Interfaces                   | USB, Bluetooth                                                                                                                                                                                   |
| Data Storage                 | Expandable mass storage via mobile app                                                                                                                                                           |
| Languages                    | Simplified Chinese, English                                                                                                                                                                      |
| Software Support             | Android, iOS, Windows, WeChat Mini Program, HarmonyOS                                                                                                                                            |
| White Calibration            | Automatic calibration                                                                                                                                                                            |
| Operating Temperature Range  | 0—40°C, 0—85% RH (non-condensing), altitude below 2000 m                                                                                                                                         |
| Storage Temperature Range    | −20 to 50°C, 0—85% RH (non-condensing)                                                                                                                                                           |
| Accuracy                     | Not specified                                                                                                                                                                                    |
| Standard Accessories         | Data cable, user manual, calibration box, quality management software , app ( Software Download: <a href="http://www.3nh.com/en/client_en_14.html">http://www.3nh.com/en/client_en_14.html</a> ) |
| Optional Accessories         | USB micro printer, powder test cell                                                                                                                                                              |

GUANGDONG THREENH TECHNOLOGY CO., LTD.



★CONTACT US

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<http://www.threenh.com>

✉

[service@3nh.com](mailto:service@3nh.com)

☎

Tel:0086-020-82880288

📍

Add: 6-8th floors, Building B33, Low Carbon Headquarters Park, Xincheng Road No.400, Zengcheng District, Guangzhou, Guangdong Province, China