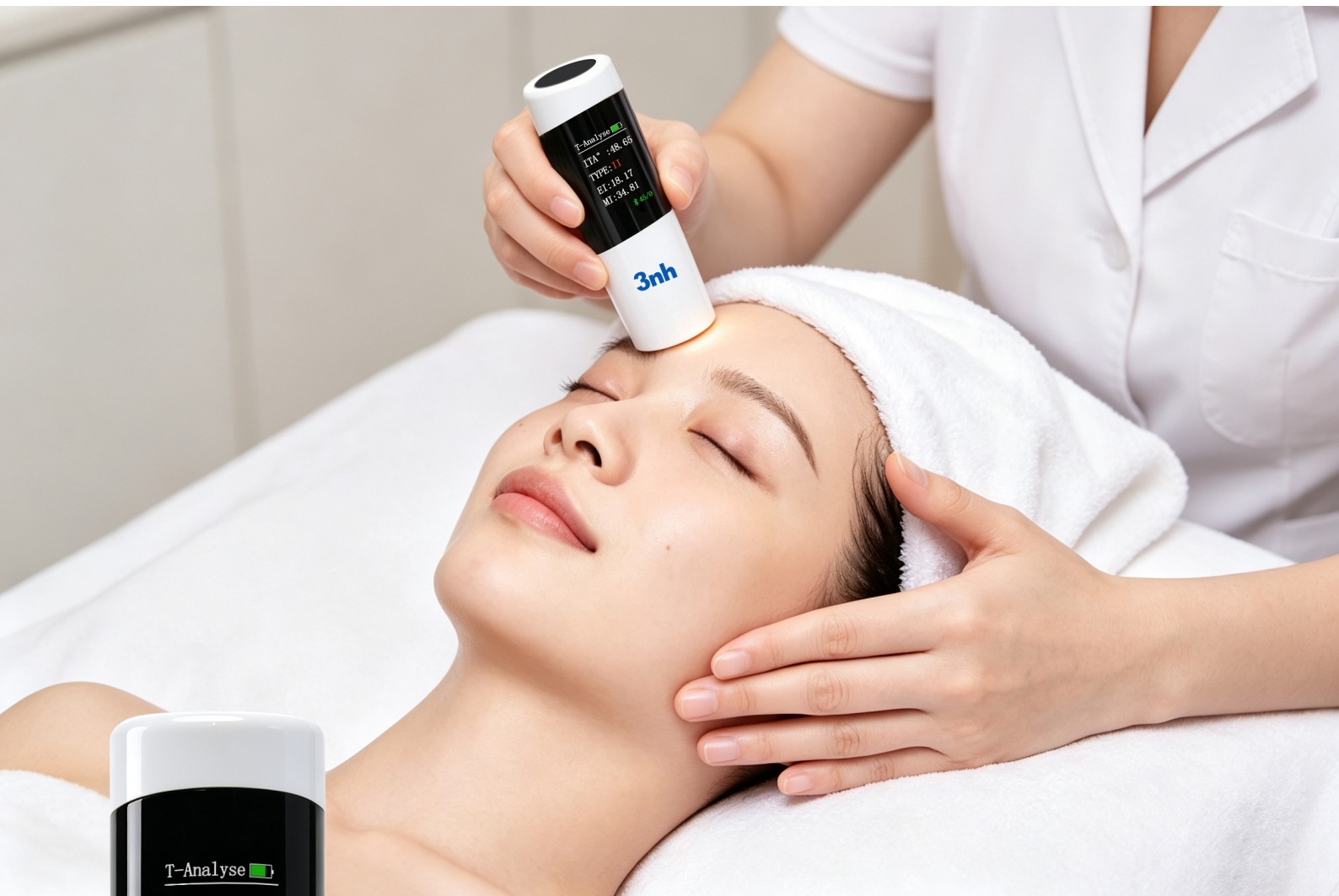




4-IN-1 IN-SITU MEASUREMENT — SCIENTIFICALLY DEFINING SKIN TONE

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.

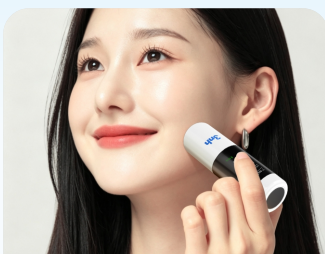
Skin Type Classification

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

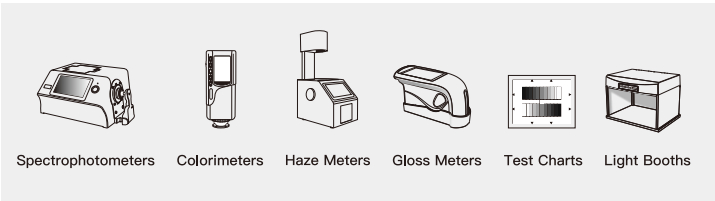
OPTIONAL ACCESSORIES

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: http://www.3nh.com/en/client_en_14.html)
Optional Accessories	USB micro printer, powder test cell

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