

S600 Series Spectrophotometer

0/45° and Sphere Geometry



Color formulation Color comparison Quality control

The S600 series is the total QC solution to guarantee color consistency to satisfy measurement needs for color control.

In order to maintain customer satisfaction and long-term relationships, there is a necessity to control the color of your principal products with IHARA's revolutionary measurement device. Especially if you are outsourcing one of your parts to several suppliers, it is inevitable to have a color difference between suppliers. Do not delay in adopting the S600 series at your suppliers' plants as well as yours to ensure quality at all critical steps.

You can measure anything

- Paints
- Textile
- Plastic
- Printed matter
- Small parts
- Rough surfaces
- Food

It's time to use one of IHARA's affordable, easy-to-operate devices.

IHARA

Main features

Quality control for paints and plastics

- Easy and secure
- Portable and handy
- Available with various apertures
- Repeatable results regardless of the measurement direction
- Spherical spin to measure the color shift of your products

Reliable and accurate

- Excellent short- and long-term stability
- Temperature independent results
- Superior inter-instrument agreement
- In compliance with international standards

Easy-to-use and handle

- Four-cursor button operation
- Customization of the display to your needs
- Light weight and small size
- Ergonomic design - can measure difficult to access areas
- Short measurement time (1 second)

Low maintenance

- Long battery life - up to 10,000 readings per battery set
- Large memory capacity
- Calibration only once every 3 months

Variety of uses

- Color measurement of very small and curved parts with 4mm aperture
- Testing for color fading by wind and weather
- Comparison between color of raw materials and standard color



Moreover, the S600 series supports ISO 9000.

The S600 series' software interface makes it possible to transfer your measurement results directly to a Windows application, such as Excel.

Standards

DIN5033, 5036, 6174 ISO 7724
ASTM D2244, E308, E1164

Specifications

Spectral Range:	400-700nm, 20nm
Repeatability:	0.01 ΔE^* , 1 σ
Inter-Instrument Agreement:	0.2 ΔE^* , 1 σ
Color System:	CIE Lab/Ch, Lab(h), XYZ, Yxy, RxRyRz
Color Differences:	ΔE^* , $\Delta E(h)$, ΔE_{FUC} , ΔE_{M} , ΔE_{CUC} , Component differences
Indices:	YIE313, YID1925, WIE313, CIE, Berger, Color strength, opacity, metamerism
Illuminants:	A, C, D50, D55, D65, F2, F6, F7, F8, F10, F11
Observer:	2°, 10°
Weight:	approx. 500g (1.1 lbs) with batteries
Applicable languages:	English, German, French, Italian, Spanish, Japanese
Standard Accessories:	S600 series device, Black calibration standard, White calibration standard with certificate, Green checking reference, Sample area locator, IHARA-soft QC-link, Interface cable, Batteries, Hand strap, Manual, Plastic carrying case

CE

IHARA