

S600 SERIES SPECTROPHOTOMETER

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Measure almost anything:

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

IHARA

S600 SERIES

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.
- Store up to 200 standards and 999 samples.

RELIABLE AND ACCURATE

- 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.

LOW MAINTENANCE

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

VARIETY OF USES

- Color measurement on 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.
- Supports ISO 9000.
- The S600 series' software interface makes it possible to transfer your measurement results directly to a Windows application, such as Excel.

IHARA

Ihara U.S., Inc.
25030 Avenue Tibbitts, Building K
Valencia, California 91355-9877 USA
Tel: +1 661-257-5772
Fax: +1 661-257-5880
www.iharaus.com

World Headquarters:

Ihara Electronic Industries Co., Ltd.
2077 Kamitaraga-Cho
Kasugai City, Aichi 486 Japan
Tel: 0568-81-6824
Fax: 0568-81-6040
www.ihara-group.com

Sales Office:

Asia & Oceania:
+81 0568-76-7878

All other countries:
+1 661-257-5772

S600 SERIES SPECTROPHOTOMETER COMPARISON

	S600	S650 / S655
Light Source	LED	LED
Optics	45/0o	Spherical(d/8)
Measurement Condition	N/A	Spherical Spin-(650)* Spherical Spex-(655)
Spectral Range	400-700nm, 20nm	400-700nm, 20nm
Aperture	4, 11, 20mm	11mm
Illuminant Type	A,C,D ₅₀ ,D ₅₅ ,D ₆₅ ,F2,F6,F7, F8,F10,F11	A,C,D ₅₀ ,D ₅₅ ,D ₆₅ ,F2,F6,F7,F8,F 10,F11
Standard Observer	2°, 10°	2°, 10°
Repeatability	0.01 Δ E*, 1σ	0.01 Δ E*, 1σ
Inter-Instrument Agreement	0.2 Δ E*, 1σ	0.2 Δ E*, 1σ
Color Difference Equations	Δ E*ab, Δ Ecmc, Δ E94, Δ E Hunter, Δ Ecmc-2	Δ E*ab, Δ Ecmc, Δ E94, Δ E Hunter, Δ Ecmc-2
Color Systems	XYZ, L*a*b*, L*C*ho, Yxy, Lab(h) RxRyRz	XYZ, L*a*b*, L*C*ho, Yxy, Lab(h) RxRyRz
Measurement Time	1 second	1 second
Data Storage	999	999
Reference Colors	200	200
Operating Temperature	10° C - 42° C	10° C - 42° C
Whiteness	ASTM E313, CIE, Berger	ASTM E313, CIE, Berger
Yellowness	ASTM E313, ASTM D1925	ASTM E313, ASTM D1925
JUDGE (Pass/Fail)	Yes	Yes
Languages	English, Deutsch, Français, Italiano, Español, 日本語	English, Deutsch, Français, Italiano, Español, 日本語

*S650-(Specular Included)-Spin-Excludes Gloss S655-(Specular Excluded)-Spex-Includes Gloss