

SS 5100HW

Spectrophotometer



Premier Colorscan®



SS 5100HW Color Measuring Spectrophotometer is the result of our own in-depth study and sophisticated design after being in the field for long time. We have incorporated best features which can be seen on international class of spectros.

The integrating sphere conforms to CIE/ASTM specifications for size, which is 152 mm diameter. The source is a very stable long-life Xenon flash lamp which is carefully filtered to D65. The sphere wall is coated with very special highly reflective material, which reflects more than 99%.

The SS5100HW comes standard with calibrated UV filter for OBA fluorescence quantification.

This makes the SS 5100HW highly suitable for textile and OBA applications.

SPECIFICATIONS (Standard Configuration)

MEASUREMENT MODES	: Reflectance & Transmittance
MEASUREMENT PRINCIPLE	: Dual Beam
INTEGRATING SPHERE	
DIMENSION	: 152 mm Diameter
LIGHT SOURCE	: Pulsed Xenon
WAVELENGTH RANGE	: 400 nm to 700 nm
WAVELENGTH INTERVAL	: 10 nm
PHOTOMETRIC RANGE	: 0% To 200%
VIEWING GEOMETRY	: D/8
WAVELENGTH ACCURACY	: 0.1nm (Avg.)
REPEATABILITY	: Less than 0.1 DE CIELAB (White Tile)
UV FILTER	: Adjustable
INTER INSTRUMENT	
AGREEMENT(LAV)	: 0.15 DE CIELAB (Max.)
MEASUREMENT TIME	: 2 Sec.
LARGE AREA VIEW (LAV)	: 25.4 mm Diameter
SMALL AREA VIEW (SAV)	: 12.0 mm Diameter
SPECULAR COMPONENT	: Include/Exclude

OPERATING TEMPERATURE	: 15°C to 32°C
RELATIVE HUMIDITY	: <90% Non-Condensing
ELECTRICAL REQUIREMENTS	: 110-120Vac/50-60 Hz.Or 230-240 Vac/50-60 Hz.
SIZE	: 61cm X 29.5cm X 33cm
WEIGHT	: 21 Kg Approx

*Specifications are subject to change without notice

SS 5100HW SPECTROPHOTOMETER CAN BE EMPLOYED FOR A VARIETY OF APPLICATIONS.

Routine Measurements:

- A very convenient measurement port allows you to measure day-to-day samples of paints, plastics, textiles, leathers, papers, food etc. There is a convenient drop down view of the samples for proper alignment of samples before measurement.

Measurement of awkwardly shaped samples:

- Awkwardly shaped samples can also be measured conveniently by removing the sample holding assembly.

Measurement of liquids and clear films:

- An optional provision of transmission chamber, with accessories to hold either thin films or liquids, makes it possible to measure transmittance of liquid & clear film.

Measurement of food products:

- Vertical mounting arrangement us facilitates measurements of pulps, juices & concentrates.

Measurement of optically brightened samples:

- This is possible because of the provision of a UV cut-off filter.
- Photometric range is 0 to 200% reflectance.

Measurement of Capsules, Tablets, Health Care Products, Yarn, Powders, Hanks and Granules:

- Individually designed accessories help you to measure any unconventional samples.



Reflectance Cuvette 40 mm



Fiber Holder



Sample Cup



Transmission Cuvette 10mm



Vertical Arrangement



Thin Film Holder



Cuvette with Holder



Hank Holder



Tablet/Capsule Holder



LED Status Display

OPTIONAL ACCESSORIES

- | | | |
|--------------------------------|-------------------------|-------------------------|
| • Capsule Holder | • Tomato Reference Tile | • Cuvette 40mm & Holder |
| • Thin Film Holder | • Black Trap | • 10mm Cuvette Holder |
| • Transmission Cuvette | • Tablet Holder | • Hank Holder |
| • Reflectance Cuvette & Holder | • Float | • Sample Measuring Cup |



Premier Colorscan Instruments Pvt. Ltd.

- EL-130, Electronic Zone, M.I.D.C., Mahape, Navi Mumbai 400 710 India.
+91-9004054444 | +91-9004054433 | +91-9004054425
colorlab@premiercolorscan.com
www.premiercolorscan.com