

# SS5145A

Spectrophotometer



## DESCRIPTION

**SS 5145A** is a State-of-the-Art UV visible spectrophotometer specially made for color measurement. It is extremely rugged in construction and very accurate in performance.

**SS 5145A** 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. It incorporates a highly advanced Holographic Diffraction Grating for dispersing reflected light, coupled with a highly sensitive and accurate discrete sensing photodiode array detector.

45/0 geometry is used to measure Matt or Glossy samples, which co-relate to visual perception. The source is a very stable long-life Xenon flash lamp which is carefully filtered to D65.

## FEATURES

Reflectance mode.

Xenon Flash Lamp.

360 nm to 740 nm.

10 nm Interval.

LAV Measurement Area.

Conforms to EN 471.

45/0 Viewing Geometry.

For measurement High visibility fabric.



LEADER IN THE FIELD OF COMPUTERIZED COLOR MATCHING

**SS 5145A** 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 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 Capsules, Tablets, Yarn, Powders, Hanks, Granules, Food and Horticulture products:**

Individually designed accessories help you to measure any unconventional samples.

● **Maintenance and service:**

**SS 5145A** Spectrophotometer has been designed to be sturdy in lab and production conditions. It is made from carefully selected best available components which will ensure trouble free operation for many years. The design is modular and hence servicing can be done on-site.

**Our strong team of service & application engineers are ready to provide services and back-up promptly.**

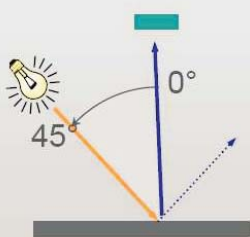


**SPECIFICATIONS\***

|                                  |   |
|----------------------------------|---|
| MEASUREMENT MODES                | : % RFL   |
| MEASUREMENT PRINCIPLE            | : SINGLE BEAM   |
| LIGHT SOURCE                     | : PULSED XENON  |
| WAVELENGTH RANGE                 | : 360nm TO 740nm  |
| WAVELENGTH INTERVAL              | : 10nm  |
| PHOTOMETRIC RANGE                | : 0% TO 200%  |
| OPTICAL CONFIGURATION            | : 45/0 VIEWING GEOMETRY                                 |
| WAVELENGTH ACCURACY              | : 0.1 nm (Avg.)   |
| REPEATABILITY                    | : LESS THAN 0.1 DE CIELAB (WHITE TILE)                  |
| INTER INSTRUMENT AGREEMENT (LAV) | : 0.15 DE (Max.)  |
| MEASUREMENT TIME                 | : 1 Sec.  |
| LARGE AREA VIEW (LAV)            | : 27 mm Diameter  |
| OPERATING TEMPERATURE            | : 15°C To 32°C  |
| RELATIVE HUMIDITY                | : <90% NON-CONDENSING                                   |
| ELECTRICAL REQUIREMENTS          | : 110-120 VAC / 50-60 Hz. OR<br>230-240 VAC / 50-60 Hz. |
| WEIGHT                           | : 11Kg. APPROX.   |
| SIZE                             | : 44 cm x 22 cm x 26 cm                                 |

45° / 0°

color as we see it

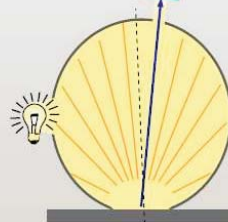


delta E\* = 3

sphere SPIN \*

color

pigmentation



delta E\* = 0

Manufactured & Marketed by:



**Premier Colorscan Instruments Pvt. Ltd.**

EL-130, Electronic Zone, M.I.D.C., Mahape, Navi Mumbai - 400 710. India.

Telephone: +91 22 2763 7900 / 2768 7900 Fax: +91 22 2762 2022 / 2762 2124 / 2763 7921

\* Some features are optional.

\* Specifications are subject to change without notice due to on-going development