

SS5100R

Spectrophotometer



DESCRIPTION

SS 5100R is a spectrophotometer specially designed for the applications requiring only reflectance color measurement. It is extremely rugged in construction and very accurate in performance.

SS 5100R 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 spectrograph used in **SS5100R** incorporates a highly advanced Holographic Diffraction Grating for dispersing reflected light, coupled with a highly sensitive and accurate discrete sensing photodiode array detector.

The source is a very stable long-life Xenon flash lamp which is carefully filtered to D65.

FEATURES

- Reflectance mode.
- 360 nm to 700 nm.
- 10 nm Interval.
- White tile calibration.
- Xenon Flash Lamp.
- 16mm Measurement Area.
- D/8 Viewing Geometry.
- 76mm Diameter Integrating Sphere.



LEADER IN THE FIELD OF COMPUTERIZED COLOR MATCHING

SS 5100R 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.

● **Only reflectance measurement mode:**

The model has only reflectance measurement capability, which makes it compact and also cost effective.

● **Measurement of awkwardly shaped samples:**

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

● **Measurement of Yarn, Powders, Hanks, Granules, Food and Horticulture products:**

Individually designed accessories help you to measure any unconventional samples.

● **Maintenance and service:**

SS 5100R 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.

SS 5100R D/O Model

is specially developed for paper industries. you can generate following outputs using SS5100R with Software



Color Co-ordinates	L*, a*, b*
Color Chromaticity	Y _{x,y}
Opacity	ISO, Tappi, (R)O
Brightness	iso, Tappi
Paper indices	R(x), R(y), R(z). Scattering Coeff/Power Absorption Coeff/Power
Whiteness Index	7 Scales
Yellowness Index	7 Scales

SS 5100R D/O Model

SPECIFICATIONS*

MEASUREMENT MODES	: % RFL
SPHERE DIMENSION	: 76 mm Diameter
LIGHT SOURCE	: Pulsed Xenon
WAVELENGTH RANGE	: 360 nm to 700 nm.
WAVELENGTH INTERVAL	: 10nm
PHOTOMETRIC RANGE	: 0% TO 200%
OPTICAL CONFIGURATION	: D/8 or D/O Viewing Geometry
WAVELENGTH ACCURACY	: 0.1 nm (Avg.)
REPEATABILITY	: Less Than 0.12 DE CIELAB (White Tile)
INTER INSTRUMENT AGREEMENT (LAV)	: 0.15 DE (Max.)
MEASUREMENT TIME	: 1 Sec.
AREA VIEW	: 16 mm Diameter
OPERATING TEMPERATURE	: 15 ⁰ C To 32 ⁰ C
RELATIVE HUMIDITY	: <90% Non-Condensing
ELECTRICAL REQUIREMENTS	: 110-120 VAC / 50-60 Hz. OR 230-240 VAC / 50-60 Hz.
WEIGHT	: 11Kg. Approx.
SIZE	: 44 cm x 22 cm x 26 cm

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

Manufactured & Marketed by:



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