

Product Name :
Spectrophotometer For Color Analysis India

Product Code :
NG167



Description :

Spectrophotometer For Color Analysis India

Technical Specification :

- A very versatile bench-top spectrophotometer to measure the color of solid, pasty granular and liquid samples either in reflectance or transmittance.
- The top-port concept, offering various aperture sizes, allows measurement of almost any kind of samples.
- The perfect all-rounder laboratory instrument for applications such as Flavors & Fragrances, Foods, Chemicals, Pharmaceuticals and Plastics.
- Function: to measure the color of solid, pasty granular and liquid samples

Reflectance:

- di: 80 Diffuse illumination: 80 Viewing)
- de: 80
- Switchable: Specular component included or Specular component excluded

Transmittance:

- di: 0°
- de: 0° (diffuse illumination: 0° viewing)
- Integrating sphere size: Ø152 mm
- Detector: Dual 40-element silicon photo diode arrays
- Spectral separation device: Planar diffraction grating
- Wavelength range: 360 nm to 740nm
- Wavelength pitch: 10 nm ±10%
- Half bandwidth: 10nm
- Measurement range: 0 to 175 %(Reflectance or transmittance);
- Output/display resolution: 0.01%
- Light source: Pulsed xenon lamp
- Measurement time: 1 s (to data display/output)
- Measurement interval: 3 s

Measurement/illumination area:

Reflectance:

- Changeable by changing mask and settings
- LAV :Ø30 mm/Ø36 mm; MAV (optional):Ø8 mm/Ø11 mm; SAY (optional):Ø3 mm/Ø6 mm or equivalent
- Transmittance: Ø26 mm ± 10%
- Transmittance chamber:
- No sides (unlimited sample length)
- Depth (sample thickness): 60 mm ± 10%
- Sample holders for holding sheet samples or containers of liquid samples can be installed/removed
- Display : 5.7-inch TFT color LCD

- Illuminant: A, C, D50, D65, F2, F6, F7, F8, F10, F11, F12, D50, D65 (simultaneous evaluation with two light sources possible)
- Displayed data: Spectral values/graph (reflectance, transmittance, absorbance), colorimetric values/graph color-difference values/graph, pass/fail judgment, pseudo color, color assessment
- Color space: L *a*b*, L *C*h, Hunter Lab, Yxy, XYZ. Munsell, and color differences in these spaces (except for Munsell)
- Power: 220-240V, 50Hz
- Size: Slide cover closed (WxHxD): 385 x 192 x 261 mm
- Weight: 6.0 Kg $\pm$ 10%
- Accessory: included
- Dust cover, AC adapter, USB cable, target mask ($\varnothing$ 30mm), target mask ($\varnothing$ 8mm), transmittance mask ($\varnothing$ 20mm), and Others.
- Operation manual (hard copy) in English

Other Required Accessories:

Rectangular cell (10mm path): 1 unit

- Cell size: 50 x 38 mm or equivalent
- Optical path: 10 mm or equivalent
- Material: rectangular cell made of optical glass

Transmittance Measurement Set: 1 Set Include

- Transmittance zero calibration plate : 1 unit
- Transmittance specimen holder: shall be able to hold the rectangular cell (10mm path): 1 unit
- Transmittance specimen holder attachment: adapted to the transmittance specimen holder: 1 unit

Petri Dish Measurement Set: 1 Set Include

- Petri dish: tube cell made of optical glass with diameter of 45mm and 17mm depth: 1 unit
- Target mask for petri dish: special target mask with a recess for precise positioning of tube cell with diameter of 45mm: 1 unit

- Calibration glass for Petri dish: glass plate made of optical glass with diameter of 45mm: 1 unit
- Zero calibration box: for precise zero calibration: 1 unit
- Accessory case: to store the above items: 1 unit

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