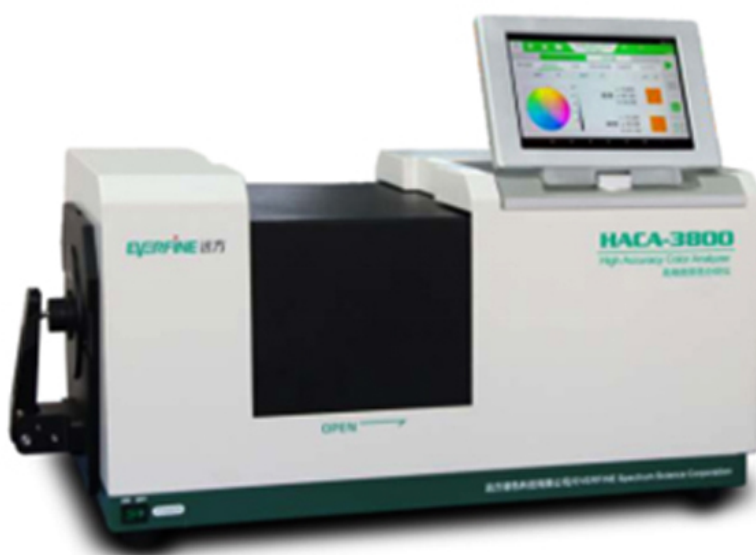


## HACA 高精度分光测色仪 HACA high precision spectrophotometer

- HACA高精度分光测色仪是采用先进的光谱测量专利技术，可实现手机平板配套玻璃盖板、外壳、光学膜等材料的光谱反射率曲线、漫反射率、光谱透射率曲线、颜色、色差等参数，满足研发和品质对材料透反射率及颜色的高精度测量要求，符合CIE、ISO、ASTM、DIN、JIS等国际标准和GB/T国家标准的颜色要求。

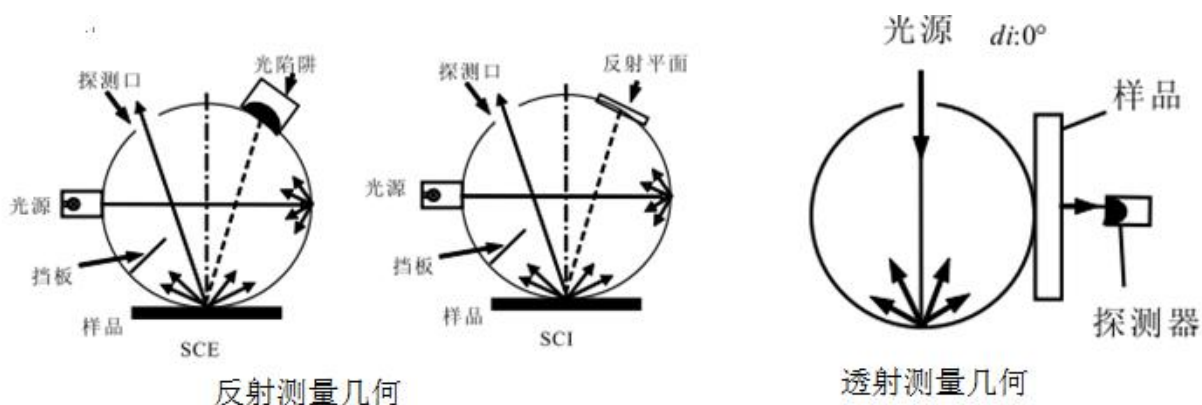
HACA high-precision spectroscopic colorimeter adopts advanced patented spectral measurement technology, which can realize the spectral reflectance curve, diffuse reflectance, spectral transmittance curve, color, color difference and other parameters of materials such as glass cover plate, shell, optical film, etc. for mobile phone tablets, meet the requirements of research and development and quality for high-precision measurement of material transmittance and color, and meet the color requirements of CIE, ISO, ASTM, DIN, JIS and other international standards and GB/T national standards.



## 技术参数 Specifications

- 测量不透明的材料时采用的反射测量几何为标准d/8结构，兼容SCI和SCE模式，在兼顾原材料和成品表面的光谱反射率及颜色测量。测量透明及半透明材料时采用的透射测量几何为标准的d/0结构，特别适合对透明玻璃、薄膜等样品的透射光谱、色度等指标的把控。

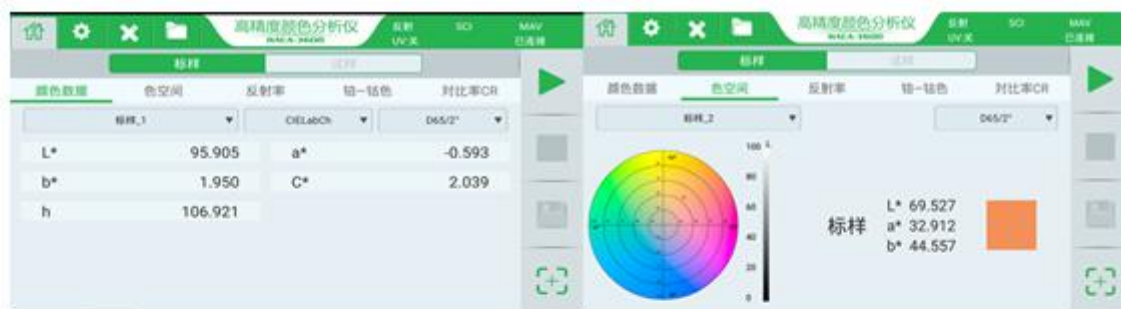
The reflection measurement geometry used for measuring opaque materials is a standard d/8 structure, which is compatible with SCI and SCE modes, and gives consideration to the spectral reflectance and color measurement of raw materials and finished surfaces. When measuring transparent and translucent materials, the transmission measurement geometry is the standard d/0 structure, which is particularly suitable for controlling the transmission spectrum, chromaticity and other indicators of transparent glass, film and other samples.



- 重复性  $\Delta E^*_{ab}$  小于 0.005;  
Repeatability  $\Delta E^*_{ab}$  is less than 0.005;
- 双光束反馈系统，实时监控和补偿光源波动;  
Double beam feedback system, real-time monitoring and compensation of light source fluctuation;
- 优良深色域测量表现，在测量黑色玻璃面板等低反射率或透射率材料时，仍具有较高的精度和重复性;  
Excellent dark color domain measurement performance, with high accuracy and repeatability when measuring low reflectivity or transmissivity materials such as black glass panel;
- 兼容反射和透射测量，提供SCI和SCE两种测试模式可选;  
Compatible with reflection and transmission measurement, and two test modes, SCI and SCE, are available;
- 超大透射测量腔体：有效兼容各类尺寸的测量;  
Super large transmission measurement chamber: effectively compatible with measurement of various sizes;
- UV校正功能：对光源的UV成分进行有效调控，使荧光增白材料的测量更加精确;  
UV correction function: effectively regulate the UV component of the light source to make the measurement of fluorescent whitening materials more accurate;
- 多功能分析管理软件：包含颜色、反射率、透射率测量以及统计分析功能  
Multifunctional analysis management software: including color, reflectivity, transmissivity measurement and statistical analysis functions

技术参数 Specifications

- 测试界面  
Test interface



光谱反/透射率波形图

色差图



光谱反/透射率波形图

色差图