Spectrofotometer D / 8° with software

BGD 558-1

Product Description

BGD 558 Spectrophotometer uses the principle of combination LED precision spectroscopy, separates the light according to a certain wavelength interval, and adopts groups of sensor array to perform sensitive analysis. BGD 558 Spectrophotometer with higher accuracy is very sensitive to any colors. It not only can measure L*ab value and delta E value accurately, but also can display spectral reflectance curve which can realize color matching function and calculate the real parameters of various color formulas.

In the R&D process, our engineers measured various color samples from dark to light, white to black, and other standard color boards provided by ISO (International Standardization Organization). The parameters of test results are integrating with international standards.

We also analyzed the parameters from Japanese, American and German spectrophotometers. The differences of L*ab absolute value between them are within ±1.5. Compared the L*ab value between BGD 558 and Japanese spectrophotometers, when measuring any color objects, the biggest L*ab difference is within ±1.0. This is a breakthrough of technology which realizes to be fully compatible with international market.

Technical Specification

BGD 558 Spectrophotometer is widely used in plastic, electronic, paint, ink, textile, garment, printing and dyeing, food, medical, cosmetic, industries, scientific research institutes, schools and laboratories.

It can measure reflectance spectrum and other color index precisely. BGD 558 Spectrophotometer not only can help to perform color matching and color management studies, but also can control product quality management accurately. The instrument is equipped with high-end color management software which can connect PC to achieve more extension functions.

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Main Technical Parameters

- Aesthetic design perfectly combined with ergonomic structure
- D/8° geometrical optics structure, complies with CIE, ISO, ASTM and DIN standards.
- 3.5 inch large capacitive touch screen
- Two standard observer perspectives, multiple light sources modes, a variety of color systems
- The repeatability ΔE*ab is within 0.04, the errors between each instrument ΔE* ab is less than 0.2.
- Large capacity storage, can save more than 10000 data
- PC software with powerful extension functions
- High hardware configuration with a number of innovative technologies.
- Oversized integrating sphere, more effective homogenization ray of lights and precise measurement.

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