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ONE BUTTON TO REALIZE COLOR DIFFERENCE MEASUREMENT

Domestic high-quality spectrophotometer

Shenzhen Threeeh Technology Co., Ltd. is a high-tech enterprise. We research, develop, produce and market photoelectric detection products in photoelectric detection technology field and color management field.

1000-line grating with dual optical path system



TS 7600-TS SERIES GRATING SPECTROPHOTOMETER

TS7X series is a grating spectrophotometer that 3nh company has spent 3 years to design and is developed by 3nh independent intellectual property rights. The instrument adopts 1000 line precision blazed grating as the spectroscopic element, the silicon photocell array with large photosensitive area as the detector, the full spectrum led with high life as the light source, and the optical resolution is less than 10nm in the visible light range.



Flat Grating



Dual Optical Paths



LED full spectrum



Camera locating



PRODUCT FEATURES



- 1、 D / 8 geometric optical structure, conforming to CIE No.15, GB / T 3978, GB 2893, GB / T 18833, iso7724 / 1, ASTM e1164, din5033 teil7;
- 2、 Adopt combined LED light source with high life and low power consumption;
- 3、 Customized one 8mm or 4mm aperture (the flat/ tip measuring aperture can be switched easily, which is suitable for more tested sample)
- 4、 Dual optical path system, the optical resolution in the visible range is less than 10nm, which can measure the SCI and SCE spectrum of the sample at the same time;
- 5、 Accurate spectrum and lab data, used for color matching and accurate color transmission;
- 6、 High hardware configuration: 3.5-inch TFT true color screen, capacitive touch screen, 1000 line blazed grating, silicon photodiode array detector with large photosensitive area, etc;
- 7、 USB interface, convenient for expansion of various functions;
- 8、 Super dirt resistant and stable standard white calibration board;
- 9、 Large capacity storage space, which can store more than 20000 pieces of test data
- 10、 2/10 standard observer's angle, multiple light source modes, multiple surface color systems, meet various standards of chromaticity indicators, and the needs of various customers for color measurement;
- 11、 Camera locating position and Stabilizer cross measurement position;
- 12、 PC software has powerful function expansion;

APPLICATION INDUSTRY

It is widely used in plastics, electronics, paints and inks, textile and garment printing and dyeing, printing paper, automotive, medical, cosmetics and food industries, scientific research institutions and laboratories. The instrument can accurately measure multiple color indices such as reflection spectrum in multiple color spaces. With this instrument, research on color matching, color management, etc. can be easily performed, and precise product quality management control can also be performed. The instrument is equipped with high-end color management software, which can be connected to a computer for more functions.



Plastics



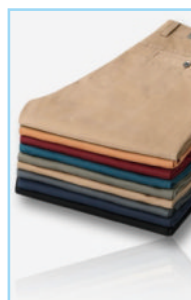
Paint & Ink



Printing



Automobile



Textiles



Medicines



Others

SPECIFICATION PARAMETER

Model: TS-500

Optical Geometry: Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle, 8-degree illumination angle, 2 degree SCE (specular component excluded) , excluded UV light source Conformance: GB/T 31868-2015, ASTM E1164, DIN 5033

Application: Customized one at a time. It is used for precise color measurement of various materials such as electronic components, ink, textile and garment printing, dyeing, printing, ceramics, etc. It is a simple measurement instrument.

Light Source: Combined LED light source

Detector: Spectrometric

Resolution: 10nm (double row, 40 groups)

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The specifications and design may be changed without notice.