

AMT556 Colorimeter

Features:

1. Dual optical path design improves repeatability accuracy $dE^*ab \leq 0.03$
2. Innovative 5 micron thick nano-integrated optics
3. Over 30 Measurement Indicators
4. Evaluate whether the color is jumping light, and provide nearly 40 evaluation light sources
5. Contains SCI measurement mode
6. Contains UV for fluorescent color measurement
7. Calibration base and zirconium reference with a Mohs hardness of 9 to calibrate the instrument, ensuring long-term stability
8. Supports 6 measuring apertures for selection: 11mm, 6mm, 3mm
9. Built-in HD camera for clear observation of the measured area
10. Support WeChat applet, Android, Apple, Hongmeng mobile APP, PC software

Specifications:

1. Measuring structure: D/8, SCI
2. Measurement repeatability: $\Delta E^*ab \leq 0.03$
3. Display accuracy: 0.01
4. Measuring aperture: There are 6 stable and agile models in total: $\Phi 11\text{mm}$, $\Phi 6\text{mm}$, $\Phi 3\text{mm}$; $\nabla 11\text{mm}$, $\nabla 6\text{mm}$, $\nabla 3\text{mm}$
5. Color Spaces and Indices: Reflectance, CIE-Lab, CIE-LCh, HunterLab, CIE Luv, XYZ, Yxy, RGB, Color difference (ΔE^*ab , ΔE^*cmc , ΔE^*94 , ΔE^*00), WI (ASTM E313-00, ASTM E313-73, CIE, ISO2470/R457, AATCC, Hunter, Taube Berger Stensby), YI (ASTM D1925, ASTM E313-00, ASTM E313-73), Blackness (My, dM), Color Fastness Source condition: A, B, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30, U35, DLF, NBF, TL83, TL84, ID50, ID65, LED-B1, LED-B2, LED-B3, LED-B4, LED-B5, LED-BH1, LED-RGB1, LED-V1, LED-V2
6. Light source: LED+UV
7. Measurement observation method: Camera
8. Calibration: Auto calibration
9. Software support: Android, iOS, Windows, Wechat app
10. Guaranteed accuracy: Guaranteed first class measurement
11. Observer: 2° , 10°
12. Integrating sphere diameter: 40mm
13. Standards: CIE No.15, GB/T 3978, GB 2893, GB/T 18833, ISO7724-1, ASTM E1164, DIN5033 Teil7
14. Ways of spectral: Nano-integrated spectral devices
15. Sensor: Silicon photodiode array Dual 16-group
16. Wavelength interval: 10nm
17. Wavelength range: 400~700nm
18. Reflectance determination range: 0~200%
19. Reflectance resolution: 0.01%
20. Measurement method: Single measurement, average measurement (2 to 99

measurements)

21. Measurement time: Approx. 1 second

22. Interface: USB, Bluetooth

23. Screen: Screen Full colour screen, 2.4

24. Battery capacity: 8000 continuous measurements on a single charge, 3.7V/3000mAh

25. Life of light: 10 years and 1 million cycles

26. Storage: Instrument: 10,000 data; APP: mass storage