



## ATS Color Analyzer

- More color spaces, various color indexes, extensive applicability.
- Color management software.
- Configured with high-capacity rechargeable Li-ion battery.
- Portable and easy to operate.
- Higher measurement stability and accuracy.

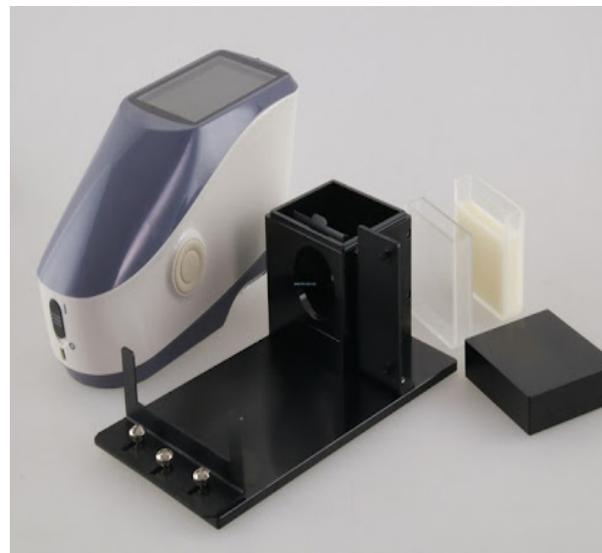
## Measure with Accuracy

**Anywhere, Anything, Anytime: ATS 3060 – for portable color matching & analysis**

Researchers and industries can expand the reach of their color matching capabilities with the new ATS 3060 color spectrophotometer and software.

The ATS 3060 is an easy-to-use, portable spectrophotometer that enables accurate color measurement on a wide variety of sample shapes and sizes - anywhere in the store or at a customer job site.

- Superior matching performance for portable retail food & agriculture business.
- The ATS 3060 is a grating spectrophotometer which enables accurate color measurement of both flat & textured samples. Glossiness can also be measured using this instrument.
- Comply with CIE No.15 , GB/T 3978, GB 2893, GB/T 18833, ISO 7724/1, ASTM E1164, DIN5033 Teil7. ATS 3060 grating spectrophotometer features UV, SCI/SCE, USB / Bluetooth, 8mm / 4mm switch aperture, etc. It has high accuracy 0.03 based on white calibration plate measured 30 times at 5 sec intervals after white calibration was performed.



## Bluetooth® and USB Peripheral Support

- Use Bluetooth or USB to seamlessly transfer measurement of data

## Service and Support

- All instruments can be serviced at one of our service centers and on site as well.





## Easy Measurement: Anything, Anywhere Anytime

- Portable design enables measurements of a wide variety of samples, anywhere within the lab or at field.
- Initial instrument installation is simple with all required set-up data loaded at the factory. Just connect to your computer, start software, 2-step calibration and you are ready to measure.
- Color LCD screen with an intuitive user interface makes it easy to learn & to handle.
- Precisely position your sample for measurement using the illuminated sample alignment port.

## Features and Benefits

- Perfect combination of beautiful appearance and the human body mechanics structural design.
- Use long life and low power consumption combined LED light source, including UV/excluding UV.
- Switchable  $\Phi 8/4\text{mm}$  aperture, adapt to more samples; support both SCI and SCE at the same time.
- Measure sample spectra, accurate lab data can be used in color matching and accurate color transmission.
- High electronic hardware configuration: 3.5-inch TFT color LCD, Capacitive Touch Screen, concave grating, 256 image Element Double Arrays CMOS Image Sensor.
- USB/Bluetooth 2.1, dual mode, widely useful.
- Super stain-resistant and stable standard white calibration plate.
- Large capacity storage space, over 20,000 measurement data.
- Two standard observer angles, a variety of illuminant, a variety of color indexes, conforms with a variety of standard colorimetric data, meet a variety of customers' demand for color measurement; Camera Locating Function, better position.
- PC software has a powerful function extension.



## Technical Specifications

- Optical Geometry: Reflect: di:8° de:8°(diffused illumination 8-degree viewing angle)
- Integrating Sphere Size: 48mm
- Light Source: Combined LED Light UV Light
- Spectrophotometric Mode: Concave Grating
- Sensor: 256 Image Element Double Array CMOS Image Sensor
- Wavelength Range: 400-700nm
- Wavelength Interval: 10nm
- Semiband Width: 10nm
- Measured Reflectance Range: 0-200%
- Measuring Aperture: Dual Aperture: 10mm/8mm & 5mm/4mm
- Specular Component: SCI&SCE
- Color Space: CIE Lab XYZ Yxy LCh CIE LUV Hunter LAB
- Color Difference Formula:  $\Delta E^*_{ab}$   $\Delta E^*_{uv}$   $\Delta E^*_{94}$   $\Delta E^*_{cmc}(2:1)$   $\Delta E^*_{cmc}(1:1)$   $\Delta E^*_{00v}$   $\Delta E$ (Hunter)
- Other Colorimetric Index: WI(ASTM E313 CIE/ISO AATCC Hunter) YI(ASTM D1925 ASTM 313) TI (ASTM E313 CIE/ISO) Metamerism Index MI Staining Fastness Color Fastness, Color Strength, Opacity, 8° Glossiness
- Observer Angle: 2°/10°
- Illuminant: D65 A C D50 D55 D75 F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12
- Displayed Data: Spectrogram/Values Samples Chromaticity Values Color Difference Values/Graph PASS/FAIL Result Color Offset
- Measuring Time: 2.6s
- Repeatability: MAV/SCI:  $\Delta E^* \leq 0.03$
- Inter-instrument Error: MAV/SCI:  $\Delta E^* \leq 0.15$
- Measurement Mode: Single Measurement Average Measurement
- Locating Method: Camera View Finder Locating
- Battery: Li-ion battery. 5000 measurements within 8 hours
- Dimension: L\*W\*H=184\*77\*105mm
- Weight: 600g
- Illuminant Life Span: 5 years more than 3 million times measurements
- Display: 3.5-inch TFT color LCD Capacitive Touch Screen
- Data Port: USB Bluetooth 4.0
- Data Storage: Standard 2000 Pcs Sample 20000 Pcs
- Language: English
- Operating Environment: 0~40°C 0~85%RH (no condensing) Altitude < 2000m
- Standard Accessory: Power Adapter, Built-In Li-ion Battery, User Guide, PC Software, White & Black Calibration Cavity & Dust Cover
- Optional Accessory: Accessory for testing solids, powders, pastes, slurries, gels and other products.

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