



Table Top Spectrophotometer LD-LTS-A16

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Overview

Table Top Spectrophotometer LTS-A16 works on dual optical path spectrum analysis technology with full wavelength range for color and transmittance measurement. It adopts reflectance $D/8^\circ$ and transmittance $D/0^\circ$ geometry to measure both opaque and transparent materials. Four types of UV modes are used for fluorescence material measurement. Equipped with touch screen rotatable display screen and android operating system. It is ideal used for color measurement in textile, chemical, petroleum, oil industries.

Features:

- Dual optical paths spectrum analysis technology
- Four type of UV test modes
- Compatibility with SCI/SCE measurement system
- Adopts $D/8^\circ$ geometry to meet color measurement
- Android operating system with rotating 7 inch touch display screen
- Open transmittance measurement are without specific sample size
- Switchable reflectance apertures
- Large storage memory

Applications:

Widely used in the color and transmittance measurement in the industrial samples like plastic plate, powder material, petroleum and oil, textile and yarn, pellet materials, printing ink and packing material.

Specifications:

Power	12V/3A
Sensor	Silicon Photodiode Array
Weight	10.8 kg
Display	Reflectance and Transmittance graph/value, color value, color difference values, pass/fail, color simulation, color assessment, haze, liquid chromaticity values, color tendency
Resolution	0.0001
Illuminants	A,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12,CWF,U30,DLF,NBF,TL83,TL84
Screen Size	7 Inches Touch Screen
Color Spaces	L*a*b, L*C*h, Hunter Lab, Yxy, XYZ
Other Indices	WI(ASTM E313-00,ASTM E313-73,CIE/ISO, AATCC, Hunter, Taube Berger,

	Stensby), YI (ASTM D1925, ASTM E313-00, ASTM E313-73), Tint (ASTM E313-00), Metamerism index mil, stain fastness, color fastness, ISO brightness, R457, A density, T density, E density, M Density, APHA/Pt-Co/Hazen, Gardner, Saybolt, ASTM color, Haze, Total Transmittance, Opacity, Color Strength
Grating Method	Concave Grating
Storage Memory	8 GB U Disk for data storage and transfer
UV Measurement	Include UV, 400nm cut, 420nm cut, 460nm cut
Viewing Angles	2° and 10°
Half Band Width	5 nm
Sphere Diameter	152 mm
Color Difference	ΔE*ab, ΔE*CH, ΔE*uv, ΔE*cmc, ΔE*94, ΔE*00, ΔE*ab(hunter), 555 shade sort
Wavelength Pitch	10 nm
Wavelength Range	360 nm to 780 nm
Reflectance Range	0 to 200 %
Relative Humidity	80 % RH (at 35 °)
Storage Temperature	-20 ° to 45 °
Operating Temperature	5 ° to 40 °
Dimensions (L × W × H)	430 × 240 × 260 mm
Inter-Instrument Agreement	XLAV ΔE*ab 0.15 (BCRA Series II, Average measurement of 12 tiles, at 23°)