



## **Table Top Spectrophotometer LD-LTS-A16**

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# Table Top Spectrophotometer LD-LTS-A16

## 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 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:

<b>Power</b>	12V/3A
<b>Sensor</b>	Silicon Photodiode Array
<b>Weight</b>	10.8 kg
<b>Display</b>	Reflectance and Transmittance graph/value, color value, color difference values, pass/fail, color simulation, color assessment, haze, liquid chromaticity values, color tendency
<b>Resolution</b>	0.0001
<b>Illuminants</b>	A,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12,CWF,U30,DLF,NBF,TL83,TL84
<b>Screen Size</b>	7 Inches Touch Screen
<b>Color Spaces</b>	L*a*b, L*C*h, Hunter Lab, Yxy, XYZ
<b>Other Indices</b>	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 milm, 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
<b>Grating Method</b>	Concave Grating
<b>Storage Memory</b>	8 GB U Disk for data storage and transfer
<b>UV Measurement</b>	Include UV, 400nm cut, 420nm cut, 460nm cut
<b>Viewing Angles</b>	2° and 10°
<b>Half Band Width</b>	5 nm
<b>Sphere Diameter</b>	152 mm
<b>Color Difference</b>	?E*ab, ?E*CH, ?E*uv, ?E*cmc, ?E*94, ?E*00, ?E*ab(hunter), 555 shade sort
<b>Wavelength Pitch</b>	10 nm
<b>Wavelength Range</b>	360 nm to 780 nm
<b>Reflectance Range</b>	0 to 200 %
<b>Relative Humidity</b>	80 % RH (at 35 ?)
<b>Storage Temperature</b>	-20 ? to 45 ?
<b>Operating Temperature</b>	5 ? to 40 ?
<b>Dimensions (L × W × H)</b>	430 × 240 × 260 mm
<b>Inter-Instrument Agreement</b>	XLAV ?E*ab 0.15 (BCRA Series II, Average measurement of 12 tiles, at 23?)