labodam

Table Top Spectrophotometer LD-LTS-A15

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Overview

Table Top Spectrophotometer LTS-A15 is an instrument with consistent 45/ 0 geometry and visual perpetual color value which completely eliminate the specular light on the surface of the texture for color measurement. Ring-shaped illumination system eliminates the direction dependence regardless of sample position. High accuracy and repeatability is gained by tilted sample or rotating instrument. It is ideal for the color measurement of tomato sauces, automotive interior parts, textiles, coatings, road traffic signs, printing materials.

Features:

- Instrument adopts 45/0 geometry (45 ring shaped illumination, 0 degree viewing)
- Ring shaped illumination system
- 20000 test results storage capacity
- In-built Color QC Software
- Rechargeable battery with continuous set operation
- 5 inch color display screen
- Comply with International Measurement Standards

Applications:

Widely used in the color measurement in the coating, thin films, plastic, rubber and printed industrial samples like automobile decoration, road signs, plastic floor, color steel plate, home decoration, coal coating, PET film, screen film, reflective film, plastic package, magazine and label.

Specifications:

Power	7.4 V/ 6000 mAh
Sensor	High sensitivity silicon photodiode
Weight	4.5 kg (without battery)
Geometry	45/0 (45 ringed shaped illumination, 0 degree viewing)
Interface	USB
Standards	CIE-15-2004; ASTM-D523; ASTM-D2244; ASTM D2457
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.U35
Screen Size	5 Inches Color Screen
Light Source	LED
Other Indices	WI(ASTM E313-10,ASTM E313-73,CIE/ISO,

	AATCC, Hunter, Taube Berger, Ganz, Stensby); YI(ASTM D1925, ASTM E313-00,ASTM E313-73); Tint(ASTM E313,CIE,Ganz) Metamerism index Milm, Stick color fastness, Color fastness ISO Brightness, 8 gloss, A density, T density, M density, E density
Storage Memory	20000 test results
Battery Capacity	Rechargeable, 1000 continuous tests
Color Difference	?E*ab,?E*CH,?E*uv,?E*cmc(2:1),?E*cmc(1:1),?E*94,?E*00,?Eab(Hunter),555 shade sort
Wavelength Range	400 nm to 700 nm
Wavelength Interval	10 nm
Measurement Aperture	11 mm
Illumination Life time	10 years 3 million test
Observer Viewing Angles	2°/ 10°
Dimensions (L × W × H)	350 × 300 × 200 mm
Working Temperature Range	0 ? to 45 ?
Inter-Instrument Agreement	?E*ab within 0.2 (BCRA Series II, average measurement of the 12 tiles)