Portable Spectrophotometer LD-LSP-A30

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Overview

Portable Spectrophotometer LSP-A30 is adopted with 45/0 geometry (45 ring shaped illumination, 0 observe degree), where the standard white board is included in the optical system for great accuracy of every measurement. Large data storage space up to 20000 samples measurement records. The measurement of the color of the powder, granules and other materials can be done by adding the powder accessories to this spectrophotometer.

Features:

- 2.8 inch TFT touch screen
- High capacity rechargeable lithium-ion battery
- LED light source for measurement accuracy
- Pre-locating panel design for instrument calibration
- SCS system for measurement repeatability
- Simultaneous measurement of SCI & SCE
- USB & Bluetooth data transmission
- Large storage capacity
- Connection to mini printer for printing

Applications:

Used in textile, plastic, food, paint, printing, automobile industries, laboratories & on-site applications for quality control purpose.

Specifications:

Sensor	High sensitivity silicon photodiode
Weight	800 g (without battery)
Display	True color TFT touch screen
Dimension	181 × 73 × 112 mm
Interface	USB
Test area	-
Test angle	-
Test range	-
Color space	CIE- L*a*b, L*C*h, L*u*v, XYZ, Yxy, Reflectance, Hunter-lab, Munsell MI, CMYK
Data storage	20000 samples
Illumination	45/0 (45 ring shaped illumination,0°

	observation angle)
Light source	A, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, NBF, TL83, TL184, NBF, U35
Reproducibility	-
UV light source	Not included
Battery capacity	Rechargeable Lithium battery, 20000 continuous measurement tests, 7.4V/600 mAh
Wavelength range	400 nm to 700 nm
Observation angle	2°/10°
Measuring aperture	11 mm
Test repeatability	-
Wavelength interval	10 nm
Color matching system	Not included
Light source longevity	10 years, 3 million test
Work temperature range	0 to 45?, relative humidity 80% or below(at 35°C),no condensation
Color difference formula	?E*ab, ?E*CH, ?E*uv, ?E*cmc(2:1), ?E*cmc(1:1),?E*94, ?E*00, ?Eab(Hunter), 555 shade sort
Illumination light source	LED
Inter instrument agreement	0.2 ?E*ab (BCRA II color tiles, average test value of 12 tiles)