



Table top spectrophotometer LD-LTS-A10

Labodam Equipment Ltd.

info@labodam.com | www.labodam.com

Table top spectrophotometer LD-LTS-A10

Overview

Table top spectrophotometer LTS-A10 is a high performance spectrophotometer with test caliber (top port) upward. The solid samples (paper sheets, cloth) can be placed directly on the measurement port & particles like pellets, tablets, powder (dye, food powder, chemical powder), paste (thick paste, opaque samples can be placed in a round shape plates & then in the mouth of the measurement unit. It is adopted with every test calibration ETC technology, where the standard white boards is included in the optical system for reliable, accuracy of every measurement.

Features:

- Top port caliber
- 5 inch TFT touch screen
- Round shaped quartz plates for measurement
- SCS system for best measurement repeatability
- Simultaneous SCE & SCI measurement
- 8°/diffused illumination geometric design of lightning
- Connection to mini printers for printing
- High capacity rechargeable lithium-ion battery
- UDB, PC software for data transmission, storage

Applications:

The top port table top spectrophotometer can measure color of solid samples such as particles, powder, paste, pellets, opaque liquids used in textile, medicine, chemical, food, paper & other industries.

Specifications:

Sensor	Dual light path sensor array
Weight	4.5 kg
Display	5.5 inch TFT touch screen
Interface	USB
Color space	CIE- L*a*b, L*C*h, L*u*v, XYZ, Yxy, Reflectance, hunterlab, munsell Mi, CMYK
Data storage	20000 test results
Light source	A, C, D50, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, DLF, TL183, TL184, NBF, U30, CWF
UV light source	Not included
Battery capacity	Rechargeable, 20000 continuous tests,

	7.4V/6000mAh
Measurement time	1 s
Wavelength range	400-700 nm
Dimension (L*W*H)	350 × 300 × 200 mm
Observation Angle	2°/10°
Measuring aperture	11 mm
Half spectral width	5 nm
Wavelength interval	10 nm
Data being displayed	SPD distribution/data?sample's color values?color difference values/graph?pass/fail results,color error tendency?color simulation display measurement area?history data color simulation?manual input standard sample generate measurement report
Color matching system	Matches
Light source longevity	10 years, 3 million tests
Work temperature range	0 to 45?, relative humidity 80% or below(at 35°C),no condensation
Illumination light source	CLED
Measurement time interval	0.5 s
Size of integrated sphere	40 mm, alvan diffused reflection surface coating
Storage temperature range	25? to 55? relative humidity 80% or below(at 35°C),no condensation
Reflectivity range & resolution	0 to 200%, 0.01%