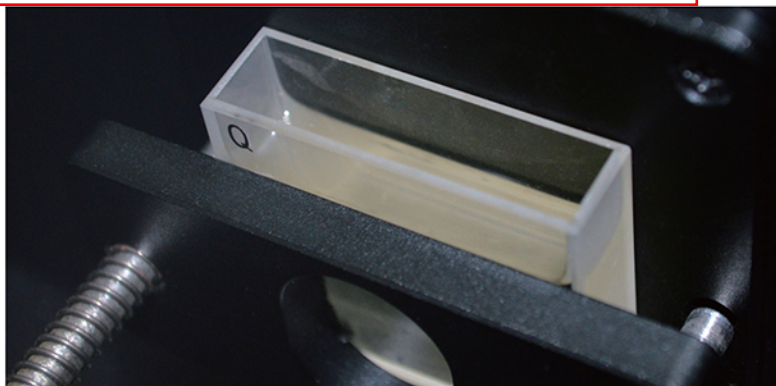


Transmission spectrophotometer DS-810



parameter specification

measurement condition	d/0(Scattered light source, 0-degree observation Angle) (CIE No.15、ISO 7724/1、ASTM E1164、DIN 5033 Teil7、JIS Z8722 Condition c)
integrating sphere	Φ40mm, Avian-D Full diffuse reflection surface coating
lighting source	CLEDs(Full-band balanced Led light source)
inductor	Dual-optical path sensing array sensor
Wavelength Range	400~700nm
wavelength coverage	10nm
half-band width	5nm
measuring range	0~200%
resolution ratio	0.0001
Observer's perspective	2°/10°
Observe the light source	A, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CMF,U30, DLF,NBF,TL83,TL84
display	Transmission graph/data, sample chromaticity value, color difference value/graph, pass/fail result, color bias, color simulation, historical data color simulation, manual input of standard sample, test report
Measurement interval	1s
Measure time	1s
Measure aperture	Φ10mm
color space	CIE Lab,LCh,CIE Luv,XYZ,Yxy,transmissivity, Hunter Lab Munsell, MI,CMYK
color difference formula	$\Delta E^*ab, \Delta E^*CH, \Delta E^*uv, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*94, \Delta E^*00$
Other indicators	WI(ASTM E313-00,ASTM E313-73, CIE/ISO, Hunter, Taube Berger Stensby), YI(ASTM D1925, ASTM E313-00, ASTM E313-73), Tint(ASTM E313-00), Isomerism index Milm, color fastness, Color fastness, APHA, Pt-Co (platinum-to-cobalt index), Gardner (Gardner Index), Saybolt (Sebert Index), Astm Color, Saybolt, ASTM Color
repeatability	Spectral transmittance: Standard deviation within 0.08%, chromaticity value: ΔE^*ab 0.015 (After correction, measure the standard deviation of air 30 times at intervals of 5 seconds), maximum value
Inter-instrument agreement	ΔE^*ab 0.2
data interface	USB
data storage	Massive Storage (PC)
size	475*340*150mm(L*W*H)
weight	7kg
operating temperatur	The temperature range is 0 to 45°C, with a relative humidity of 80% or lower (at 35°C), and no water vapor
storage temperature	condensation
standard equipment	From -25°C to 55°C, with a relative humidity of 80% or lower (at 35°C), and no condensation of water vapor Power cord, color management software, driver software, data cable, black correction board, 40*10mm cuvette
Optional accessories	40*33mm cuvette (for measuring ASTM Color), 40*100mm cuvette (for measuring Saybolt)