

SAUTER JCS 100

Versatile colour spectrometer for professional use

KERN



Category

Brand	Sauter
Product category	Colorimeter
Product group	Colour spectrometer
Product family	JCS

Measuring System

Reflection measuring range [Min]	0%
Reflection measuring range [Max]	200%
Display accuracy	0,01
Reflection resolution	0,01%

Optical geometry	D/8(diffused illumination, 8-degree viewing angle), SCI/SCE (specular component included/specular component excluded) Mode, Comply to CIE No.15,GB/T 3978,GB 2893,GB/T 18833,ISO7724-1,ASTM E1164,DIN5033 Teil7
------------------	---

Integrating the sphere sizes (Ø)	40 mm
----------------------------------	-------

Wavelength range (nm)	400-700 nm
-----------------------	------------

Measuring aperture	MAV: Ø 8 mm / Ø 10 mm, SAV: Ø 4 mm / Ø 5 mm, LAV: 1 x 3 mm
--------------------	--

other colorimetric index	Spectral reflectance, WI(ASTM E313,CIE/ISO,AATCC,Hunter), YI(ASTM D1925,ASTM 313),Metamerism Index Mt,Staining Fastness, Color Fastness,Color Strength, Opacity,555
--------------------------	---

	tone classification, Munsell(C/2)(Mobile APP implementation)
Standard deviation (within)	0,08
Instrument error	MAV/SCI, Within ΔE^*ab 0.3 (Average for 12 BCRA Series II color tiles)
Light source	LED UV
Specular components	SCI SCE
Colour space	CIE LAB XYZ Yxy LCh CIE LUV s-RGB HunterLab ßxy DIN Lab99
Colour difference formula	ΔE^*ab ΔE^*uv ΔE^*94 $\Delta E^*cmc(2:1)$ $\Delta E^*cmc(1:1)$ ΔE^*00 DIN $\Delta E99$ $\Delta E(Hunter)$
Observation angle	2° 10°
Lighting	D65 A C D50 D55 D75 F1 F2(CWF) F3 F4 F5 F6 F7(DLF) F10(TPL5) F11(TL84) F8 F9 F12(TL83/U30) U35 NBF ID50 ID65

SAUTER JCS 100

Versatile colour spectrometer for professional use

KERN

Results display	Spectrogram/Values Colour sample values Colour difference values/graphics PASS/FAIL result Colour simulation Colour offset
Chromaticity value	MAV/SCI
Response time	1 s

Display	
Display type	graphic
Display type	TFT, color
Display screen size	2,8 "
Display resolution	320×480

Construction	
Dimension display device (W×D×H)	188×94×68 mm
Material display housing	Plastics

Functions	
White calibration mode	Automatic contact calibration Non-contact automatic calibration
Locating method	Stabilizer position Camera locating
Memory function	✓

Interface	
Interfaces	Bluetooth USB 2.0

Power Supply	
Supplied power supply	Accu & Power supply
Plug-in power supply type	USB including power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	UK
Input voltage power supply / power [Max]	230 V AC, 50 Hz
Input voltage device / power [Max]	5 V, 2000 mA
Battery / accumulator type	Li-Ion
Battery connection	2-pole tub connector
Battery capacity	3.200 mAh

Approval	
CE mark	✓

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	275×245×90 mm
Shipping method	Parcel service
Net weight approx.	0,30 kg
Gross weight approx.	0,95 kg
Shipping weight	1,2 kg

Pictograms

STANDARD

