

SAUTER JCS 100



Versatile colour spectrometer for professional use



Category

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

Measuring System

Reflection resolution	0,01%
Standard deviation (within)	0,08
Instrument error	MAV/SCI, Within ΔE^*ab 0.3 (Average for 12 BCRA Series II color tiles)
Chromaticity value	MAV/SCI
Display accuracy	0,01
Response time	1 s

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
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Specular components	SCI SCE
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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

Results display	Spectrogram/Values Colour sample values Colour difference values/graphics PASS/FAIL result Colour simulation Colour offset
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Integrating the sphere sizes (Ø)	40 mm
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Wavelength range (nm)	400-700 nm
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Measuring aperture	MAV: Ø 8 mm / Ø 10 mm, SAV: Ø 4 mm / Ø 5 mm, LAV: 1 x 3 mm
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Colour space	CIE
	LAB
	XYZ
	Yxy
	LCh
	CIE LUV
	s-RGB
	HunterLab
	βxy
	DIN Lab99

Colour difference formula	ΔE^*ab
	ΔE^*uv
	ΔE^*94
	$\Delta E^*cmc(2:1)$
	$\Delta E^*cmc(1:1)$
	ΔE^*00
	DIN $\Delta E99$
	$\Delta E(Hunter)$

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,
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	Munsell(C/2)(Mobile APP implementation)
Observation angle	2° 10°
Reflection measuring range [Min]	0%
Reflection measuring range [Max]	200%
Light source	LED UV

Display

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	plastic

Functions

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

Interface

Interfaces	Wireless data transfer
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Power Supply

Supplied power supply	Accu & Power supply
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
Power supply cable removable	removable
Input voltage device / power [Max]	5 V 1000 mA
Power socket for mains adapter	USB C
Battery / accumulator type	Li-Ion
Battery connection	2-pole tub connector
Battery capacity	3.200 mAh
Battery voltage	3,7 V

Battery capacity (Wh)	11,84 Wh
Battery - Lithium content	18,5 g
Battery/Accu connected	fixed electrical connection, no leakage current (insulated)

Approval

CE mark	✓
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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

Product information

GTIN/EAN number	4045761367777
Trade number	90275000
REACH classification	no prohibited substances

Pictograms

STANDARD

