

SAUTER JCS 100



Versatile colour spectrometer for professional use



Date of creation: 28.07.2026

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

Measuring System	
Instrument error	MAV/SCI, Within ΔE^*ab 0.3 (Average for 12 BCRA Series II color tiles)
Display accuracy	0,01
Reflection measuring range [Min]	0%
Reflection measuring range [Max]	200%
Reflection resolution	0,01%

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
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)
Results display	Spectrogram/Values Colour sample values Colour difference values/graphics PASS/FAIL result Colour simulation Colour offset
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
Colour space	CIE LAB XYZ Yxy LCh CIE LUV s-RGB HunterLab Bxy DIN Lab99
Colour difference formula	ΔE^*ab ΔE^*uv ΔE^*94 $\Delta E^*cmc(2:1)$ $\Delta E^*cmc(1:1)$

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	ΔE^*00 DIN $\Delta E99$ ΔE (Hunter)
Integrating the sphere sizes ($\varnothing$)	40 mm
Wavelength range (nm)	400-700 nm
Measuring aperture	MAV: $\varnothing$ 8 mm / $\varnothing$ 10 mm, SAV: $\varnothing$ 4 mm / $\varnothing$ 5 mm, LAV: 1 x 3 mm
Specular components	SCI SCE
Chromaticity value	MAV/SCI
Standard deviation (within)	0,08
Light source	LED UV

Display	
Display type	TFT, color
Display screen size	2,8 "
Display resolution	320x480

Construction	
Dimension display device (WxDxH)	188x94x68 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

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 - Construction	Inseparable connection of cells (pack)
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	✓

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (WxDxH)	275x245x90 mm
Shipping method	Parcel service
Net weight approx.	0,30 kg
Gross weight approx.	0,95 kg
Shipping weight	1,2 kg
Shipping volume weight	1,2 kg

Product information	
GTIN/EAN number	4045761367777
Trade number	90275000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms	
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STANDARD

