SAUTER **JCS 100**

Versatile colour spectrometer for professional use



Category

Brand	Sauter
Product categoriy	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
Specular components	SCI SCE
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
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
Colour space	CIE LAB XYZ Yxy LCh CIE LUV s-RGB HunterLab ßxy DIN Lab99
Colour difference formula	ΔE*ab ΔE*uv ΔE*94 ΔE*cmc(2:1) ΔE*cmc(1:1) ΔE*00 DINΔE99 ΔE(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	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	plastic

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
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, 2000 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	✓

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
REACH classification	no prohibited substances

Pictograms

STANDARD

