

Color Sentinel Systems

CSS 110

Portable Handheld Reflection Spectrophotometer



- **Bluetooth® and USB interface**
- **Factory calibrated LED illumination**
- **Three year warranty (no factory recalibration required)**
- **SDK for third-party software integration**

Specifications

Illuminant Source	Wave Stable™ Light sources unique wavelengths with individual intensity control
Measurement Sampling Time	3 ms. typical, can be customized for particular requirements
Measurement Method	Multiband reflectance converted to 31/33 point spectra with proprietary algorithm
Data Interface	USB 1.1 (2.0 compliant), Bluetooth
Data Format Options	31/33 point spectral, L* a* b*, - M0, M1 and M2 Modes are supported. CFX compliant
Spectral Range	380 – 700 nM, reported in 10 nM increments
Measurement Geometry	0° illumination / 45° observer
Standard Observer	2°
Standard Illuminant	D50/D65
Environmental	Operating temperature 10° - 50° C
Measurement Departure	4mm; 8mm optional
Power Requirement	Single voltage input from 20 VDC – 52.8 VDC, 1.5W maximum, limited power source
Target Synchronization	ILMS measurements may be triggered by printed synchronization marks via integrated reflective sensor, internal timer, or external electrical signal (optional),
Calibration	External calibration reference surface supplied
Accuracy	1.0 dE2000 - 95th percentile over evaluation set* typical
Repeatability	.3 dE2000 - peak-to-peak over 10 complete evaluation set measurements*
Inter-instrument Agreement	.6 dE2000 - 95th percentile comparing average of 10 evaluation set measurements
Displacement Insensitivity	+/- 2 mm

** Evaluation set contains 495 color patches, printed with specific printer of interest. Temperature: 21°C ± 2°C*

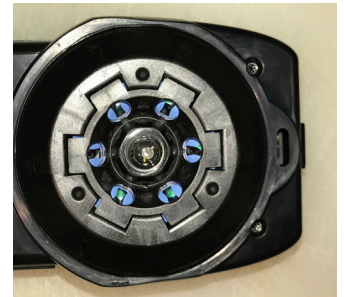
Specifications subject to change



White Balance Reference



Optional Manualscan™



LED Optics



For further information contact

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