

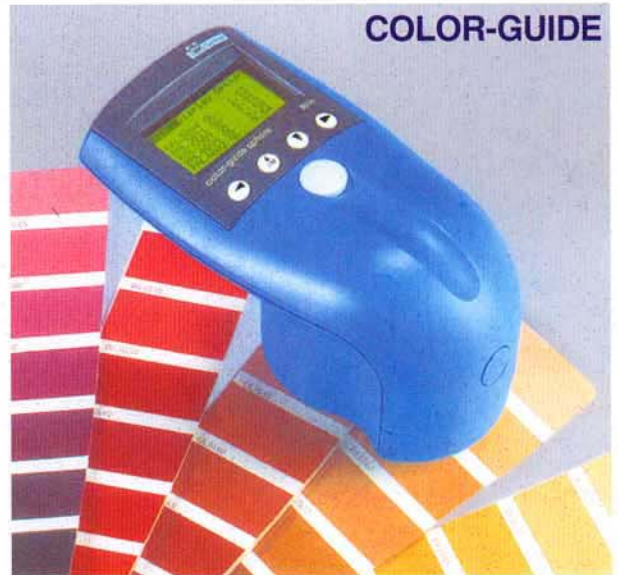
Premier Colorscan Offers Spectrophotometers from BYK-Gardner, GmbH

COLOR-GUIDE GLOSS



- Color and Gloss are displayed at the same time to clearly determine the cause of mismatch.
- In compliance with International specifications for color and gloss measurement.
- Input of tolerances for color and gloss allows quick pass/fail decisions in production.
- Batch mode with averaging makes sample identification easy.

COLOR-GUIDE



- Excellent long term and short term stability.
- Ergonomic design can access any area.
- Input of tolerances for color allows quick pass fail decision.
- NCS & RAL shades built-in as option.
- Sphere and 45/0 geometries

COLOR SPHERE



- Reference beam principle guarantees highly accurate results.
- Pre-flash function determines the proper amount of light for the color to be measured.
- Motorized gloss trap to take measurements with and without surface gloss.
- Reflection as well as transmission measurements.

COLOR-VIEW



- Guaranteed repeatability through patented self-calibration.
- Built in-retroviewer provides easy sample calibration.
- Powders, slurries and pellets can be measured.
- Color and Gloss in one instrument.

TECHNICAL SPECIFICATIONS

Description	Color Geometry	Gloss Geometry	Color Aperture	Gloss Aperture
Color-guide 45/0	45/0	—	4 mm	—
Color-guide 45/0	45/0	—	11 mm	—
Color-guide 45/0	45/0	—	20 mm	—
Color-guide sphere spin	d/8 spin	—	11 mm	—
Color-guide gloss	d/8 spin	60°	11 mm	5 x 10 mm
Color-guide sphere spex	d/8 spex	—	11 mm	—

Properties	Color	Gloss
Spectral Range	400-700 nm	0-180 GU*
Repeatability	0.01 ΔE^*	0.5 GU*
Inter Instrument Agreement	0.2 ΔE^{\square}	1 GU*
Spectral Interval	20 nm	
Color System	CIE Lab / Ch, Lab(h), XYZ, Yxy, RxRyRz	
Color Differences	ΔE , $\Delta E(h)$, ΔE_{FMC2} , ΔE_{94} , ΔE_{CMC} , Component Differences	
Indices	YIE313, YID1925, WIE313, CIE, Berger, Color Strength, Opacity	
Illuminants	A, C, D50, D55, D65, F2, F7, F8, F10, F11	
Observer	2°, 10°	
Languages	English, French, German, Italian, Spanish, Japanese	
Operating Temperature	10°C - 42°C	
Humidity	Non condensing / 35°C (95°F)	
Dimensions (H x D x W)	3.2" x 7" x 3.7"	
Weight	0.5 kg.	

* 10 consecutive measurements on white tile / \square Average on 12 BCRA II tiles / * Gloss unit

Properties	Color View	Color Sphere
Geometry	45/0 circumferential	d/8 spin and spex
Spectral Range	380-720 nm	400-700 nm
Mode	Reflectance	Reflectance/Transmission
Aperture	3 mm, 8 mm, 30 mm	8 mm, 30 mm
Spectral Interval	10 nm	20 nm
Repeatability	0.01 ΔE^*	0.05 ΔE^*
Inter Instrument Agreement	0.1 ΔE^*	0.15 ΔE^*
Illumination	Tungsten Halogen	Pulsed Xenon Arc
Operating Temperature	10°C to 32°C	10°C to 32°C
Dimensions (H x D x W)	6.4" x 15.0" x 10.8"	7.5" x 17" x 9.5"
Weight	11.1 kg.	10 kg.

* Consecutive measurements on white tile / * Average on 12 BCRA II tiles

Marketed by



PREMIER COLORSCAN SYSTEMS

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