

Teksan Co.

Detect Precisely

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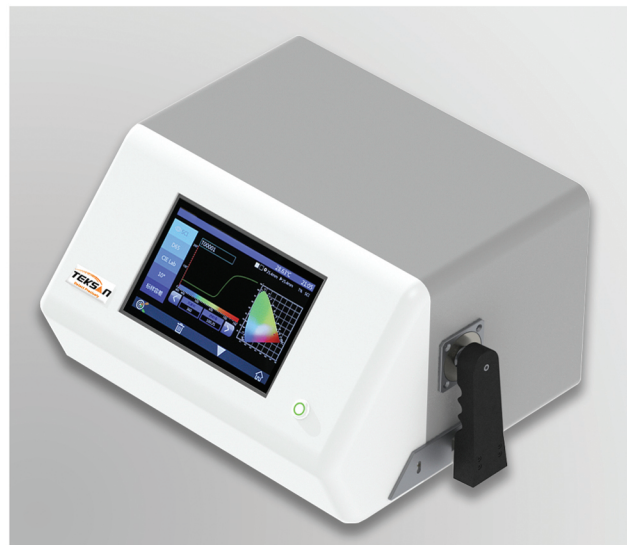
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For more information on any of
our products or services please
visit us on the Web.

δFam

Benchtop Colorimeter

Model: δFam LCR-G100 ; δFam LCRT-G200



Application Areas

- Paint industry
- Food & Beverage Quality Control
- Textile
- Color Characterization
- Biology
- Agriculture
- Pharmaceutical Analysis
- Paper and print
- Oil
- Environments
- Nanotechnology
- Polymers

The Teksan Colorimeter offers up to five reflectance and four transmission apertures to measure color and appearance on a wide range of samples in port up, port down, and port forward positions. It can be fitted with various accessories to measure textured materials, odd shapes, liquids, powders, and gels, and uses up to 3 UV filters to control optical brighteners in textiles, plastics, paint, coatings, and paper. The Teksan colorimeter delivers consistent configuration across all locations and eliminates the potential for error using automated, software-driven setup. The on-board digital camera with preview and active targeting guarantees accurate selection of measurement area. It can also capture images for future retrieval so any smudges, scratches or imperfections can be detected and accompany the measurement data for audit.

benchtop colorimeter is used to do precise color analysis and transmission in laboratories. It can be widely applied in different industries, such as plastics, electronics, paint and ink, printing, garments, leather, paper, auto, medical, cosmetics, food, science institutes, laboratories.

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Features and Specifications

Model	δFam LCR-G100	δFam LCRT-G200
Instrument Type	Color Spectrophotometer	
Optical Geometry	Reflect: d/8°	Reflect: d/8°, Regular Transmission: d/0°
	SCI / SCE	
	Include / Exclude UV	
Integrating Sphere Size	φ152 mm (6 in)	
Light Source	Full Spectrum Balanced LED Array	
Wavelength Range	360 - 780 nm	
UV Cut-off	400 nm, 420 nm	Optional Multi State Cut-off Wavelength
Spectral Analyzer	Double Array High Sensitive Sensor	
Wavelength Interval	1 nm / 5 nm / 10 nm / 20nm / User Defined Interval Supported	
Measured Reflectance Range	0 - 200%	
Colorimetric Repeatability	Standard Deviation within ΔE*ab 0.02 on White Calibration Board (360nm-780nm) Standard Deviation within ΔE*ab 0.01 on White Calibration Board (400nm-700nm)	
Color Space	CIE Lab, XYZ, Yxy, LCh, CIE LUV, Musell, s-RGB, HunterLab, βxy, DIN Lab99	
Color Difference Formula	ΔE*ab, ΔE*uv, ΔE*94, ΔE*cmc(2:1), ΔE*cmc(1:1), ΔE*00, DINΔE 99, ΔE(Hunter)	
Observer Angle	2° / 10°	
Illuminants	D65, A, C, D50, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, DLF, TL83, TL84, TPL5, U30	
Measurement Orientation	Vertical & Horizontal	
Measuring Apertures	Reflective: φ30mm / φ25.4mm / φ20mm / φ16mm / φ10mm / φ8mm / φ6mm	
Transmissive Mode	Transmissive φ25.4mm	
Display	10" TFT Capacitive Screen-touch Display, PC Supported	
Software	Tiara - Tablet & PC Version (Windows 10 Supported)	
Sample Watching	No	Yes
Internal Temperature & Humidity Sensor	No	Yes
Data Port	USB 2.0	USB 2.0, Bluetooth (Optional)
Dimensions	Height: 300mm, Width: 420 mm, Depth: 350 mm	
Weight	7.2 Kg	8 Kg
Optional Accessories	Standard Colorful Kit	

SERVICES AVAILABLE

Technical Support
Installation and Setup
Maintenance
Application Support
Hardware Support
Guaranteed Warranty