

**TEKSAN**  
Detect Precisely



**Benchtop Colorimeter**

**Teksan**

**Detect Precisely**

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**δFAM**

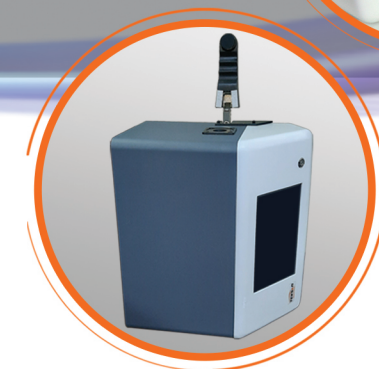




# Features

and

# Specifications



## Why deltaFAM ?



15 month full system guarantee



60 month optical elements guarantee



120 month after sell services



Certified accuracy and precision



Reflection and transmission mode supported



Expert QC and formulation software



Complete set of all colorimetry accessories



Both touch-screen and PC supported

## Application Areas :

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



Model	deltaFam LCR-G100	deltaFam 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	
	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 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	

For more information on the deltaFAM instrument please visit [www.teksan.co](http://www.teksan.co)

