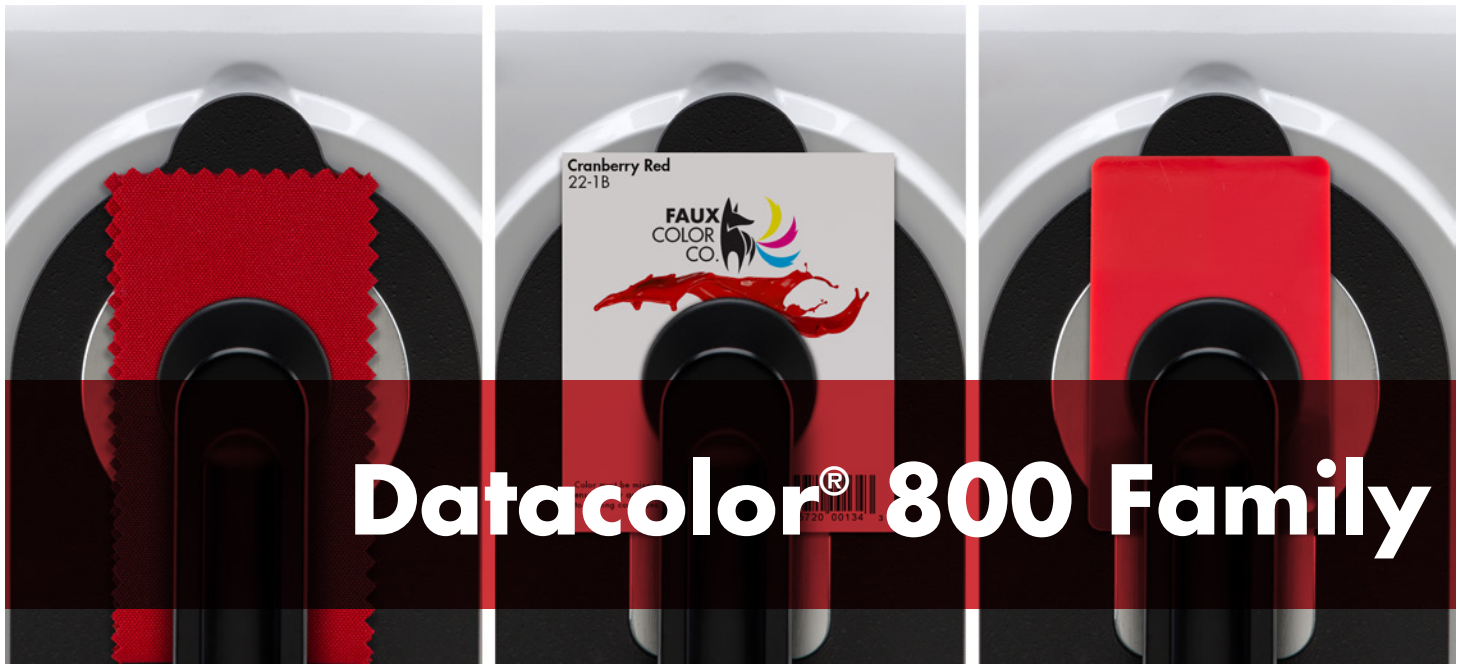


Reference-Grade Color Measurement



Datacolor® 800 Family



The Datacolor® 800 Family of Benchtop Spectrophotometers, with its new embedded processor and data storage, provides a platform for increased efficiency and color measurement confidence, while delivering Datacolor's highest precision, accuracy and fleet compatibility. For decades, Datacolor's reference grade instruments have been selected by the world's leading manufacturers and brands to specify, formulate and control critical color for reflectance (DC800/800V) and transmission (DC850).

Industry proven Measurement Performance

The TRUE close tolerance spectrophotometer

- No profiling required. Superior design enables very close inter-instrument agreement right out-of-the-box.
- Utilizes Datacolor's SP2000 which captures the true spectral fingerprint of any color. As a result, you can achieve very close agreement among all instruments in your supply chain.

Fleet Compatibility

The Datacolor 800 family is a seamless addition or replacement in your current fleet with no need to re-measure standards:

- Fully backward compatible with the existing fleet of Datacolor 600 instruments.

Complete Confidence in Measurements

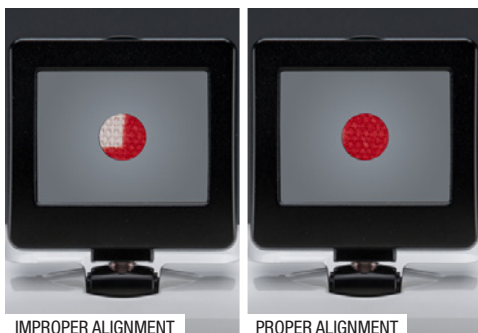
With the new features of the Datacolor 800 family of spectrophotometers you have complete confidence in every measurement.

- The positioning camera and color LCD ensure perfect sample placement every time.
- The LCD screen prominently displays the calibration status and instrument settings to validate proper set-up.
- The LCD screen also displays a color coded instrument status bar to highlight potential need for maintenance.
- Diagnostic data is now stored on the instrument and can be extracted and shared with Datacolor Service to enable remote diagnostics and minimize delays in issue resolution.

Quantifiable Improvement in Throughput

Significant productivity improvements enable users to measure more samples per day with both standalone and global installations:

- 25% reduction in measurement time.
- Improved response times in Citrix and Terminal Server environments.



IMPROPER ALIGNMENT

PROPER ALIGNMENT



INSTRUMENT SETTINGS

Datacolor 800

REFERENCE-GRADE COLOR MEASUREMENT



Ultimate Flexibility in Fleet Connectivity

- Instrument fleets can now be configured with serial, USB or Ethernet connectivity.
- One instrument can be easily accessed by multiple users.
- Data can be measured and automatically shared in real-time within a global Citrix or Terminal Server environment.

Service and Support

- Designed for on-site service and repair. All instruments can be serviced in the field by qualified Datacolor technicians or at one of our many service center locations worldwide.

FEATURE

FEATURE	DATACOLOR 800	DATACOLOR 800V	DATACOLOR 850
Instrument type	Dual beam d/8° spectrophotometer		
Illumination source	Pulsed xenon filtered to approximate D65		
Sphere diameter	152mm/6in		
Wavelength range	360 nm - 700 nm		
Wavelength resolution	2 nm		
Reporting interval	10 nm		
Photometric range	0-200%		
Spectral Analyzer	SP2000 analyzer with dual 256 element diode array		
20 read repeatability on white tile using double flash (CIELAB) *	0.01 (max)		
Inter-instrument agreement: reflectance measurements (CIELAB) *	0.08 (avg) 0.15 (max)		
Sample positioning camera	✓		
Lens	4 position auto-zoom		
Aperture plates	3 standard: LAV (30mm illuminated, 26mm measured) SAV (9mm illuminated, 5 mm measured) USAV (6.6 mm illuminated, 2.5 mm measured) 2 optional: MAV (20 mm illuminated, 16 mm measured) XUSAV (3.0 mm illuminated, 2.5 mm measured)		
Aperture detection	✓		
Automated, adjustable UV calibration	✓		
UV cutoff filters	400 nm 420 nm 460 nm		
Remote measurement button	✓		
Vertical mount	—	✓	—
Transmittance	—	—	✓
Inter-instrument agreement – regular transmittance at 550 nm	—	—	±0.20% at 85% T ±0.10% at 32% T
Inter-instrument agreement – transmission haze measurements	—	—	±0.15% at 10% TH
Transmission sampling aperture size	—	—	22 mm
Operating environment	5° to 40°C up to 85% RH, non-condensing		

*Environmental Conditions:
 Temperature 23°C +/- 1°C
 RH 44% +/- 1%



PHYSICAL SPECIFICATIONS

PHYSICAL SPECIFICATIONS	DESCRIPTION
Color display	3.5 inch RGB LCD
Display resolution	320x240 pixel resolution
Weight	37.5 lbs (16.6 kg)
Dimensions	12.3" Wide X 13.2" Tall X 16.4" Deep (31.24 cm x 33.53 cm x 41.66 cm)

PART NUMBER

PART NUMBER	PRODUCT VERSION
1030-1614	Datacolor 800
1030-1617	Datacolor 800V
1030-1618	Datacolor 850

For more information on the Datacolor 800, Datacolor 800V and the Datacolor 850 please visit www.datacolor.com/800-family