

**datacolor** 

**110**™ SPECTROPHOTOMETER  
**110P**™

See the  
Future of  
Color



 **datacolor**   
**SPECTRUM**™  
family of solutions

versatile  
color  
matching



ITEM	DESCRIPTION	
Instrument Type	Dual beam integrating sphere with xenon flash lamp	
Measuring Geometry	Diffuse illumination, 8° viewing in conformance with CIE publication No. 15.2 Colorimetry	
Illumination Source	Pulsed xenon, filtered to approximate D65	
Spectral Analyzer	Proprietary SP 2000 analyzer with dual 256-diode array and high-resolution holographic grating	
Wavelength Range	400-700 nm	
Effective Bandwidth	10 nm	
Wavelength Resolution	2 nm	
Photometric Range	0 to 200%	
Photometric Resolution	0.003%	
Aperture Configuration	Large Area View: 22 mm Small Area View: 9 mm Ultra-Small Area View: 6.5 mm	
Power	100 to 240 VAC, 47 to 63 Hz, 60 VA	
Performance – Repeatability*	0.05 CIELAB ΔE on white ceramic	
Performance – Reproducibility*	0.2 CIELAB ΔE average of 12 BCRA tiles	
Absolute Operating Environment	5° to 40° C, 20-85% RH, non-condensing	
Interface	RS232 9600/19200 baud USB	
Warranty	1-year parts and labor Extended warranty available	
<b>Dimensions without Drawer</b>	<b>English</b>	<b>Metric</b>
Height	6.5 in	16.51 cm
Width	6.75 in	17.15 cm
Depth	12.375 in	31.4 cm
Weight	11 lbs	4.95 kg
<b>Dimensions with Drawer</b>	<b>English</b>	<b>Metric</b>
Height	9.25 in	23.5 cm
Width	6.75 in	17.15 cm
Depth	12.375 in	31.4 cm
Weight	14 lbs	6.3 kg

\* specification based on following environmental conditions:  
20°C; 50% RH; 2 sigma

**Power - Versatility - Affordability**

Imagine your customer hands you a piece of drapery fabric, points to a triangle the size of your pinky nail and says, "Can you match this in glossy?" What do you say? "No problem!"

With the state-of-the-art Datacolor 110™ your customer's vision becomes reality. Because of the optional exceptionally small aperture size, the Datacolor 110™ can measure even the customer's smallest samples. The unique and sturdy double sample alignment door makes lining up samples for measurement fast and easy, thereby reducing mistakes and saving you money. Plus, its integrating sphere eliminates texture shadowing on the sample surface while the gloss compensation feature allows you to compensate for sheen differences between sample and batch.

- ❖ The Datacolor 110™ can be used with our complete line of SPECTRUM™ solutions, from paint color matching to quality control and formulation in a wide range of industries
- ❖ Includes all the measurement features necessary for color matching, correction and quality control in virtually any environment – from the lab, to the manufacturing floor, to the retail store
- ❖ Exclusive SP2000 technology that delivers 8 to 16 times the optical resolution of most competitive instruments
- ❖ A rugged and dependable benchtop instrument that is small enough for virtually any workspace



**Want Portability?**

If you need the performance of the Datacolor 110™, but prefer the advantages of a handheld model, ask your Datacolor representative about the Datacolor 110P™.

**Because Color Matters** 

The Datacolor 110™ benchtop and Datacolor 110P™ portable spectrophotometers are an integrated part of the Datacolor SPECTRUM™ solution for controlling all aspects of color management. Because color matters, leading businesses worldwide choose Datacolor's innovative technology and solutions to consistently achieve the right color.

**For more information, please visit [www.datacolor.com](http://www.datacolor.com).**

Americas  
+1.609.924.2189  
marketing@datacolor.com

Europe  
+41.44.835.3711  
ecmarketing@datacolor.com

Asia  
+852.2420.8283  
asiamarketing@datacolor.com

**In over 60 countries ... see [www.datacolor.com/locations](http://www.datacolor.com/locations) for a complete list.**