



## Discover the Ultimate Solution for Glass Coating Evaluation: ColorXRA G3

### ColorXRA G3

Reflectance Measurement  
on Glass Coatings



Traditional measurement devices struggle to deliver precise color data for non-scattering materials like glass. The ColorXRA G3 overcomes this challenge with its advanced measurement capabilities, spanning from 330 nm to 1,000 nm with a 1 nm optical resolution. Designed for both lab and inline environments, the device can be conveniently mounted on a stand for analyzing glass panes on a sample support or attached to a traversing beam to measure low-e glass and sun protection coatings.

#### Advantages of ColorXRA G3 include:

- Non-contact spectral and color reflectance measurements (15°, 45°, and 60° specular) optimized for non-scattering samples like glass
- Accommodates glass panes up to 20 mm thick without mechanical readjustment; measures samples as small as 40 x 40 mm<sup>2</sup> and as large as jumbo glass panes, including curved automotive windshields
- Rapid measurement with a minimum interval of 1 second; covers UV to NIR range (330 nm to 1,000 nm) with 1 nm optical resolution
- Compatible with solar control layer design software and suitable for laboratory or inline use with a traversing beam
- Reliable and repeatable results, unaffected by ambient light, comparable to laboratory sphere instruments with specular component included (SCI)

#### Illuminates Both the UV and Visible Range up to Near Infrared

- Compact multi-angle spectrophotometer for versatile measurements
- Captures data from UV to NIR (330 nm to 1,000 nm) with 1 nm optical resolution
- Mounted 10 mm from glass pane for precise, non-contact measurements
- Evaluates color reflectance on non-scattering samples at 3 different angles

#### Evaluate Color Consistency From Multiple Viewing Angles

- Ideal for qualifying complex coatings, including multi-silver layer coatings
- Utilizes Xenon flash lamp for rapid, one-second measurements and automatic wavelength calibration
- Simultaneously measures at +15°, -15°, +45°, -45°, and +60°, -60° geometries
- Delivers lab-quality results with sphere geometry measurements (SCI)
- Reveals color changes from different observer angles with ±45° and ±60° measurements

## Specifications

### ColorXRA G3

Measurement Geometry	15°/15° 45°/45° 60°/60°
Measurement Time	Flash
Measurement Working Distance	10mm
Short Term Repeatability – White	$dL^*$ , $da^*$ , $db^*$ < 0.03
Spectral Interval	1nm
Spectral Range	330nm-1000nm

### Service Support and Warranty

Drawing on our extensive experience in the world of color, X-Rite Pantone offers the right level of services, onsite and online, to support and nurture your business. Call on us for standard color services and training, or work with us to tailor training and services to your specific needs. We help you get color right the first time, right every time. For more information about extended support options, visit [www.xrite.com/extended-warranties-services](http://www.xrite.com/extended-warranties-services).

For more information about ColorXRA G3 please visit <https://www.xrite.com/categories/inline-spectrophotometers/colorxra-g3>.