



Inline spectrophotometer

ERX56



ERX56 Inline Spectrophotometer

Multiple silver layers on glass panes add functionality to architectural fronts and are state of the art in architectural design. Low-E™ glass or solar protection is used all over the world to reduce costs for heating or cooling houses or other structures. However, glass is a non-scattering product which makes it a challenge to measure.

The ERX56 measures non-scattering products such as glass using three geometries simultaneously at $+15^\circ$: -15° , $+45^\circ$: -45° and $+60^\circ$: -60° . The $\pm 15^\circ$ measurement gives the same readings as in the laboratory with a sphere geometry measurement. The $\pm 45^\circ$ and the

±60° measurements show color change from different observer angles. The ERX56 measures from 330 nm to 1,000 nm with 1 nm optical resolution.

When used with ESWin QC software, the ERX56 enables accurate color adjustments that improve manufacturing output and reduce waste due to color drift.

Benefits:

- Functional layers such as Low-E™ or solar protection can be accurately measured and quantified for consistency and optimum functionality.
- A spectral range from 330 nm to 1000 nm with 1 nm optical resolution delivers best-in-class measurement results.
- Simultaneously measures non-scattering products such as glass using three geometries at +15°: -15°, +45°: -45° and +60°: -60° to measure color changes from different observer angles.
- External calibration is only necessary every 4 weeks for maximum instrument uptime.

The ERX56 delivers excellent short-term stability due to its use of real dual beam measurement, and its automatic wavelength calibration ensures exceptional measurement accuracy and long-term stability. The ERX56 is the must-have color measurement instrument for measuring and controlling color in the manufacture of non-scattering products where color control for different viewing angles is critical

Short Term Repeatability - White

dL*, da*, db* < 0.03

Measurement Geometry

15°/15° 45°/45° 60°/60°

Measurement Time

flash

Measurement Working Distance

10mm

Spectral Range

1nm

Spectral Interval

330-730