



Simultaneous Reflectance/Transmittance Measurements for Thin-Film Applications

The F10-RT requires only a mouse-click to capture both reflectance and transmittance spectra by eliminating timeconsuming changes in hardware configuration. Data capture is fast – the array-based spectrometers typically take less than a second.

The Analysis Advantage

The F10-RT brings the power of Filmetrics analysis to simultaneous reflectance and transmittance measurements. A click of the mouse instantly reports minimum and maximum reflectance and transmittance values in user-configurable wavelength ranges. Color analysis is standard and can be displayed in common color-space systems (e.g. CIELAB and CIEXYZ) as well as visually. Measured spectra and other data can easily be printed and exported or can be saved in JPEG image format for easy distribution. Optional film thickness and index-solving modules give the F10-RT all of the advanced multi-film analytical power of the Filmetrics F20.

All in a Robust, Reliable Package

The F10-RT arrives complete with reference standards. Its small footprint and USB connectivity ensure effortless setup. With no moving parts, no maintenance other than lamp replacement is necessary and high reliability is guaranteed.

FILMETRICS

The Filmetrics Advantage

- World's leader in tabletop thin-film measurement
- 24-hour phone, e-mail, and online support
- Intuitive analysis software standard with every system

Additional Features

- Built-in online diagnostics
- Standalone software included
- Sophisticated history function for saving, reproducing, and plotting results





The F10-RT makes automatic quantitative assessment quick and easy.



* Material dependent

 $^{\rm 2}$ 2 σ of daily average of 100 measurements of 500 nm SiO_2-on-Si over 20 successive days.

³ Specifications for 400 - 950 nm unless otherwise noted.

 4 R_{std} is reflectance of the reflectance standard used. R_{max} is the maximum measured reflectance over the wavelength range. Sample must be flat to < 0.03°.

 5 T_{std} is transmittance of the transmittance standard used. T_{max} is the maximum measured transmittance over the wavelength range.



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