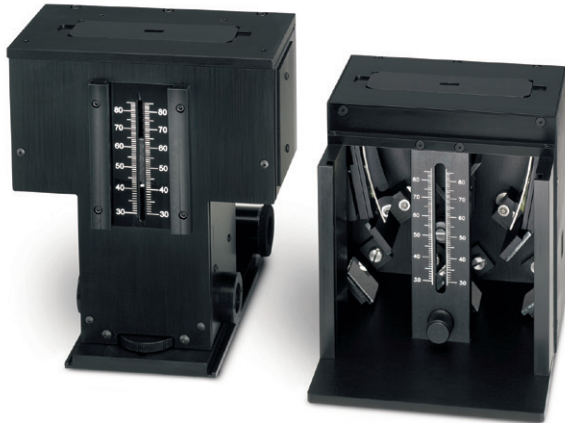
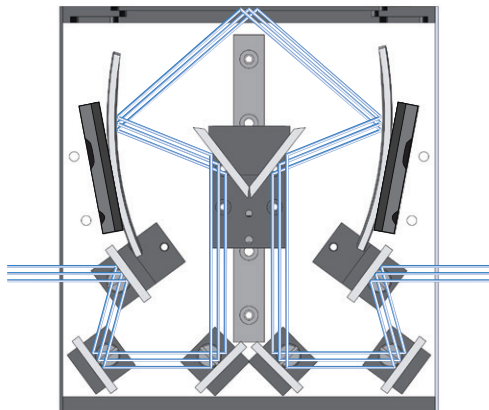


UV-Vis VeeMAX – Variable Angle Specular Reflectance Accessory



FEATURES AND APPLICATIONS

- Selectable angle of incidence – from 30 to 80 degrees in one degree increments
- Film and coating thickness measurements at optimized angle of incidence
- Grazing angle measurements for the longest path through ultra-thin films
- Characterization of variable reflectivity materials

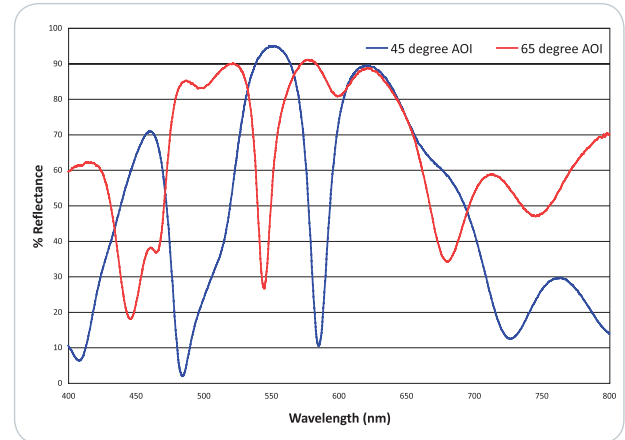


Optical geometry schematic for UV-Vis VeeMAX variable angle specular reflectance accessory.

In specular reflectance sampling, the light source is directed to contact the sample at a given angle of incidence. Measured light is collected from the equivalent angle. Typical samples include semiconductors, anti-reflective coatings, spectral wavelength filters, semi-transparent and highly reflective mirrors, optical materials, reflection filters, multiple layers, solar mirrors, and solar controlling films on glass. Measured parameters of interest include film thickness, material reflectivity, and coating uniformity and homogeneity.

With the UV-Vis VeeMAX™ accessory find versatility for specular reflectance measurements. The angle of incidence from 30 degrees to 80 degrees is easily changed by turning the angle setting dial.

This flexibility allows for optimization of spectral quality for film and coating measurements. In other applications where it is desirable to study the effect of incident angle upon reflected radiation, the UV-Vis VeeMAX offers a sampling solution. For samples such as reflectors, bandpass filters, and hot and cold mirrors. The UV-Vis VeeMAX makes an ideal accessory used to replicate real-world situations such as the effect of a rising and setting sun on absorbance efficiency of solar collectors and architectural glass performance.



Specular reflectance collected at two different angles of incidence of an anti-reflective coating.

SPECIFICATIONS

Angle of Incidence	30–80 degrees
Mounting Method	Baseplate
Nominal Accessory Dimensions (W x D x H) (dimensions vary with spectrophotometer type)	145 x 135 x 158 mm
Minimum Beam Height	50 mm
Mask Aperture	7 mm x 4 mm 13 mm x 4 mm 25 mm x 4 mm
Optical Mirrors	UV-optimized aluminum

ORDERING INFORMATION

PART NUMBER DESCRIPTION

013-10XXX UV-Vis VeeMAX Variable Angle Specular Reflectance Accessory
Includes masks and aluminum mirror

Note: Replace XXX with your spectrophotometer's Instrument Code. [Click for List >](#)

REPLACEMENT PARTS

PART NUMBER DESCRIPTION

300-0300 UV Aluminum Mirror, 25.4 mm x 25.4 mm

013-4015 Aperture Mask Set, 7, 13 and 25 mm x 4 mm