

UV-Vis Spec Accessories

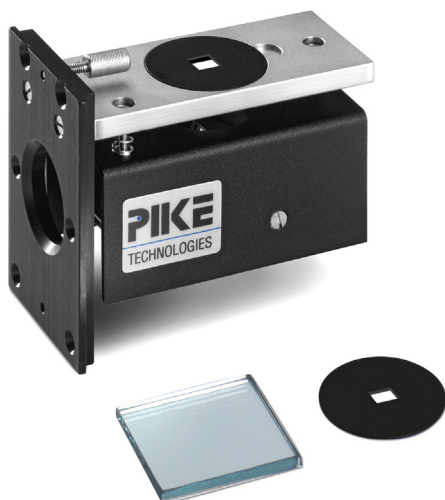
AT A GLANCE

- Fixed angle reflection accessories including 15, 20, 30, 45 and 60 degrees
- Slide mount design for easy installation
- Optical and anti-reflective coatings testing
- Gloss measurements
- Determining reflectivity of mirrors
- Film thickness calculations

The relative fixed angle specular reflection accessories for UV-Vis spectrophotometers span from near-normal to grazing angle.

These specular reflection accessories feature slide mount design. These cover mid-range angles of incidence, between 15–60 degrees, and may be aligned to maximize throughput.

In specular reflection 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, color 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.

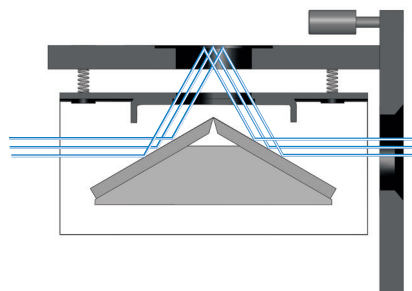


PART NUMBER	DESCRIPTION
121-1500	UV-Vis 15Spec
121-2000	UV-Vis 20Spec
121-3000	UV-Vis 30Spec
121-4500	UV-Vis 45Spec
121-6000	UV-Vis 60Spec
300-0300	UV Aluminum Mirror, 25.4 x 25.4 mm
121-0500	Aperture Mask, 4 x 7 mm

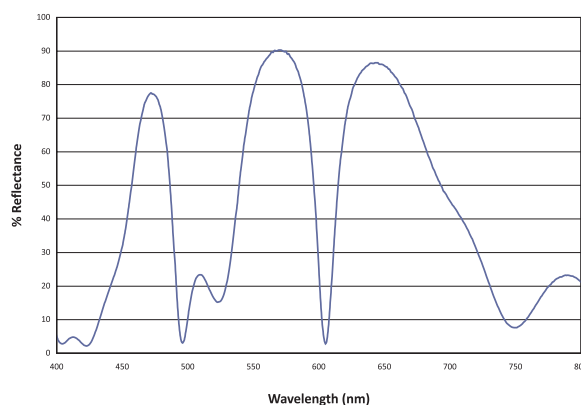
Note: Please contact PIKE Technologies to inquire about spectrophotometer sample compartment slide mounts.

SPECIFICATIONS

Mounting Method	Slide mount
Dimensions (W X D X H)	95 x 51 x 76 mm
Mask Aperture	4 x 7 mm
Optical Mirrors	UV-optimized aluminum



Optical geometry schematic for mid-range fixed angle specular reflection accessory.



Anti-reflective optics coating spectrum collected using the PIKE UV-Vis 60Spec.