R-Theta Accessories

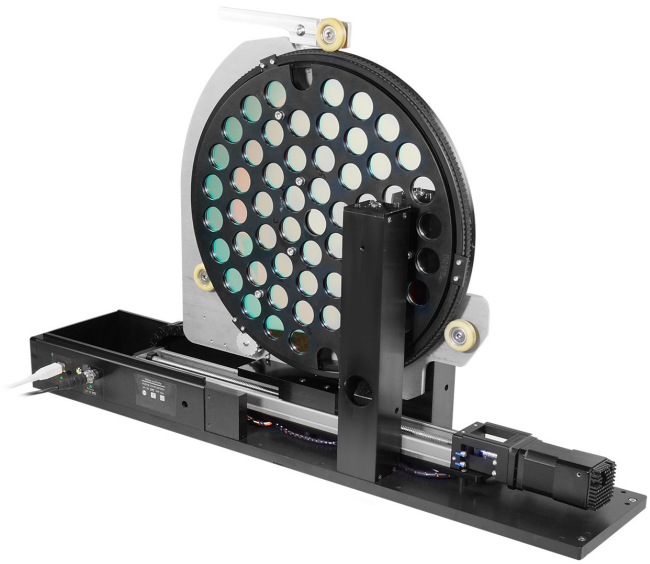
AT A GLANCE

- R-theta motion mapping optical samples
- Transmission mapping of sample surfaces
- Automated, multi-position measurements
- Light-tight enclosure included
- Custom inserts available

FULLY AUTOMATED
WITH AUTOPRO SOFTWARE

The vertical R-theta computer-controlled accessories for translating and rotating samples in the spectrophotometer beam.

These accessories enable transmission mapping of sample surfaces and generating spectroscopy data as a function of sample position. Suitable for determination of film and coating thickness, multilayer film analysis, reflectivity studies and characterization of optical materials. Using the standard sample wheel and custom inserts, these R-Theta Stages are suitable for analyzing small and large size samples including coated and uncoated glass, optical filters, solar panels and similar materials. Support ring mounts on the accessory's drive and is rotated and translated laterally to cover the entire sampling range of the accessory. Each system incorporates two precision stepper motors for the plate movement.



PART NUMBER	DESCRIPTION
073-4011	Vertical 12" (300 mm) – Cary 5000/6000
073-5100	Vertical 12" (300 mm) – Lambda 750/850/950/1050
073-5011	Vertical 8" (200 mm) – Cary 5000/6000
073-5010	Vertical 8" (200 mm) – Cary 500/500

Notes: All accssories include vertical mapping stage with light enclosure, motor controller For sizes not listed here or custom inserts, please contact PIKE Technologies. Ask about X, Y movement accessories and horizontal stages.

AUTOPRO SOFTWARE

PIKE AutoPRO™ software provides full user programmability with an easy to learn user interface. Polar or X and Y coordinates may be used to define test points. The AutoPRO software allows complex test sequences to be set up, stored as methods and implemented for full flexibility. The R-theta accessory can be tailored to meet specific sampling needs. This includes adjustments for sample shape/size, and the type of spectroscopic data required.

Please contact PIKE Technologies to verify that the selected stage can be integrated into your spectrophotometer's sample compartment and for custom sample inserts.