

UV3000S Automated Sample Stage

Enhancing efficiency and precision in sample testing

The Automated Sample Stage for the UV3000S is designed for repetitive, high-volume applications, enhancing efficiency and precision in sample testing. The stage is powered and controlled through the five-pin interface on the front of the UV3000S instrument baseplate and attaches to the instrument using two over-center draw latches, similar to the manual stage.

Unlike the manual stage, which relies on mechanical measurement templates, the Automated Sample Stage utilizes virtual templates within the UV3000S software. The software directs the automated stage to move to specific PMMA plate test locations as per the test method requirements, instructing the instrument to execute a scan at each location before proceeding to the next.

Ordering Information and Specifications

Model Name	Order Number
Automated Sample Stage - UV3000S	AS-03260-002

Specifications

Scan Time:	less than 40 seconds to map nine points on a PMMA plate
Dimensions: (L x W x H)	28 cm x 25 cm x 3.5 cm (11 in x 10 in x 1.4 in)
Weight:	2.0 kg (4.4 lbs)



Benefits

- **Motorized Operation:** Designed for repetitive, high-volume applications, reducing manual intervention and increasing throughput.
- **Five-Pin Interface:** Powered and controlled through the five-pin interface on the UV3000S instrument baseplate. No additional power required.
- **Easy Attachment:** Attaches to the front of the instrument with two over-center draw latches, similar to the manual stage.
- **Test Templates:** Uses templates within the UV3000S software instead of mechanical measurement templates.
- **Automated Movement:** Software instructs the stage to move to specific PMMA plate test locations and execute scans according to test method requirements. It typically takes less than 40 seconds to measure a nine-point mapping of a PMMA plate.
- **Enhanced Precision:** Ensures accurate and repeatable sample positioning for consistent test results from sample plate to plate.