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TECHNOLOGY GROUP

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Find the *Newport SM-13* at our website: *Click HERE*

Vernier Micrometer Heads, SM Series



SM series vernier micrometers are our most popular manual actuators and are the standard drives for most of our popular manual stages and mounts.

- Standard Ø3/8 inch (9.5 mm) mounting barrel
- Exceptionally smooth movement
- Vernier scale allows position readout with 1 µm resolution
- Compatible with most Newport translation stages and mounts

Ordering Information

Compare	Model	Drawings, CAD & Specs	Availability	Price
(/p/SM-13)	**SM-13 (/p/SM-13)** Vernier Micrometer, 13 mm Travel, 9 lb Load Capacity, 50.8 TPI		In Stock	$72.00
(/p/SM-13-PK)	**SM-13-PK (/p/SM-13-PK)** Cost-Saving Pack of 10 ea. Vernier Micrometer, 13 mm Travel, 9 lb Load Capacity, 50.8 TPI		In Stock	$648.00
(/p/SM-13LH)	**SM-13LH (/p/SM-13LH)** Vernier Micrometer, 13 mm Travel, 9 lb Load Capacity, Left Handed		In Stock	$75.00
(/p/SM-25)	**SM-25 (/p/SM-25)** Vernier Micrometer, 25 mm Travel, 23 lb Load Capacity, 50.8 TPI		In Stock	$112.00
(/p/SM-25-PK)	**SM-25-PK (/p/SM-25-PK)** Cost-Saving Pack of 10 ea.Vernier Micrometer, 25 mm Travel, 23 lb Load Capacity, 50.8 TPI		In Stock	$1,008.00
(/p/SM-50)	**SM-50 (/p/SM-50)** Vernier Micrometer, 50 mm Travel, 23 lb Load Capacity, 50.8 TPI		In Stock	$211.00

Features

Read Between the Lines

The Vernier scale allows measurement in between two of the increments on the main scale and therefore lets the user measure more precisely than what could be done by rough estimation. These micrometers have 0.5 mm pitch (50.8 TPI) threads and read directly in increments of 10 µm, with vernier reading of 1 µm.



Left-handed Micrometers

The SM-13LH is a left-handed version of the SM-13. Compared to a standard micrometer, the spindle on a left-handed micrometer travels in the opposite direction during operation. For example, the spindle on the SM-13LH will retract when the knob is rotated clockwise. This left-handed micrometer is made to be used on stages where the micrometer mounting is on the moving (top) platform of the stage.



Use a left-hand threaded micrometer for intuitive motion when the micrometer mount is mounted to the moving platform.

Standard 9.5 mm Mounting Interface

All SM series micrometers have the same 9.5-mm mounting interface making them both interchangeable with other micrometers and compatible with the Newport stages listed below.

- ULTRAlign™ Precision Integrated Crossed-Roller Bearing Linear Stages
- ULTRAlign™ Precision XYZ Positioning Stages
- Extended Range Ball Bearing Linear Stages
- Extended Platform Crossed-Roller Bearing Stages
- Peg-Joining Linear Stages
- Quick-Mount Linear Stages
- Low-Profile Rotation Stages
- Anti-Backlash Goniometric Rotation Stages



Related Products



(/f/ajs-high-precision-adjustment-screws)



(/f/hr-lockable-high-resolution-micrometer-heads)



(/f/dm-l-lockable-differential-micrometers-heads)

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We buy equipment

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