

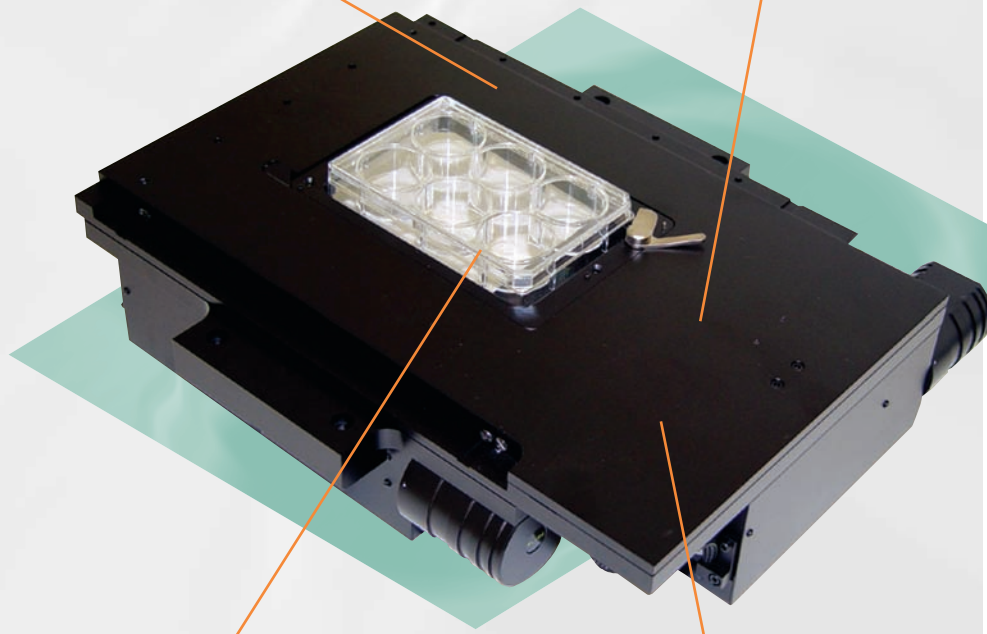
H117 Stage

4"x3" Travel (114mm x 76mm), Programmable, Motorized Stepper Stage for Leica, Nikon, Olympus and Zeiss Inverted Microscopes

Features

Minimum step size (resolution) of the stage is 0.01 microns, depending on the controller configuration

Flat top design facilitates the use of micromanipulators, environmental chambers and robotic loaders



Stage inserts for slides, petri dishes, microtitre plates, well plates, flasks, metallurgical specimens, slides, and haemocytometers

Travel 114 mm x 76 mm

Prior is proud to introduce the H117 Flat Top stage for Leica, Nikon, Olympus and Zeiss inverted microscopes. While the H117 is ideal for all high precision biomedical and material science scanning operations, specific attention was given to designing the H117 to assist the researcher who is doing prolonged live cell studies. By mounting all of the drive components below the top plate, the H117 provides easy access for micromanipulators, environmental chambers and robotic loaders. The stage allows for scanning using a very broad range of sample holders, including microtitre plates, slide holders, petri dishes, well plates, flasks, haemocytometers and metallurgical sample holders. The H117 ProScan™II stage series has a completely flat top for easy access, and includes the patented Intelligent Scanning Technology (IST)®. In conjunction with extensive testing, Intelligent Scanning Technology allows each stage to be pre-programmed with a unique set of operating characteristics particular to that stage to ensure optimum performance. IST (also available on H101A and H107 models) allows the ProScan™II controller to make any required adjustments to maintain superior orthogonally and metric accuracy.

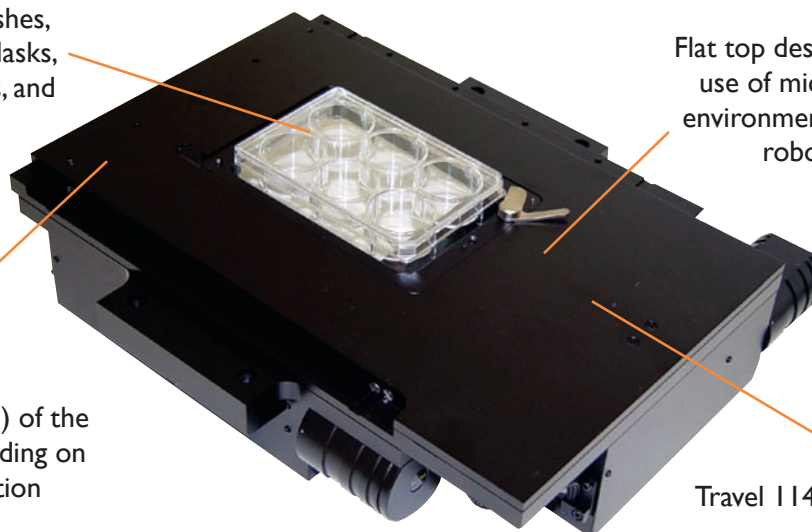
The H117 stage features:

- Flat top design facilitates the use of micromanipulators, environmental chambers and robotic loaders
- Travel 114 mm x 76 mm (4" x 3")
- Optional 50nm linear scales provide the highest precision available
- Minimum step size (resolution) of the stage is 0.01 microns, depending on the controller configuration
- Stage inserts for slides, petri dishes, microtitre plates, well plates, flasks, metallurgical specimens, slides, and haemocytometers

(U.S. Patent 7,330,307)

H117 Stage

Stage inserts for slides, petri dishes, microtitre plates, well plates, flasks, metallurgical specimens, slides, and haemocytometers



Flat top design facilitates the use of micromanipulators, environmental chambers and robotic loaders

Minimum step size (resolution) of the stage is 0.01 microns, depending on the controller configuration

Travel 114 mm x 76 mm (4" x 3")

General Specifications

Travel Range: 114 mm x 76 mm (4" x 3")

Repeatability*: +/- 0.75µm with linear scales

Minimum Step Size (Resolution): 0.01µm

Load Capacity: 10 kg

Stepper Motor: 4 phase, 1 amp per phase, micro stepping

Linear Slides: Precision 3 mm bearings

Drive Screws: Zero backlash, recirculating ball screws; 2 mm pitch, optional 1mm pitch

Limit Switches: X and Y standard

Weight: 3.5 kg (7.7 lbs)

Finish: Electrophoretic black plate

*Specifications valid only if used with Prior Controller.

PRIOR
Scientific

PRIOR SCIENTIFIC INC.,
80 RESERVOIR PARK DRIVE,
ROCKLAND, MA 02370-1062
TELEPHONE 781-878-8442
FAX 781-878-8736

PRIOR SCIENTIFIC INSTRUMENTS LTD,
UNIT 4, WILBRAHAM ROAD,
FULBOURN, CAMBRIDGE CB1 5ET
TELEPHONE 01223 881711
FAX 01223 881710

PRIOR SCIENTIFIC INSTRUMENTS
GMBH
WILDENBRUCHSTR. 15
D-07745 JENA
TEL: +49 (0)3641 675 650
FAX: +49 (0)3641 675 651

Ordering Information

Stage:

H117P2DM	Flat top stage for Leica DMIRB/DMIRE2/DMI6000B
H117P2NN	Flat top stage for Nikon Ti
H117P2IX	Flat top stage for Olympus IX51/71/81
H117P2X2	Flat top stage for Zeiss Axiovert 200

Encoded Stages:

H117E2DM	Flat top stage for Leica DMIRB/DMIRE2 and DMI6000B with 0.1µm linear scales
H117EIN5	Flat top stage for Nikon Ti with 0.05µm linear scales
H117E2IX	Flat top stage for Olympus IX51/71/81 with 0.1µm linear scales
H117E2X2	Flat top stage for the Zeiss Axiovert 200 w/0.1µm linear scales

Options:

KNOBKIT	Add manual override knobs
----------------	---------------------------

Standard Sample Holders

H223R	Microtitre Plate 128 x 86 mm
H224R	Single Slide Holder - Recessed - 1" x 3"
H237R	Single Slide Holder - Recessed - 2" x 3"
H656	Single 1.25" Diameter - Metallurgical Sample
H657	Single 2.0" Diameter - Metallurgical Sample
H658	Six 1.25" Diameter - Metallurgical Sample
H659	Single 1.5" Diameter - Metallurgical Sample
H229	Petri Dish, Specify Diameter
H23x	Flask, Specify Size
H2xx	Custom Sample

**VISIT PRIOR ON THE WEB
AT www.prior.com**

Specifications subject to change without notice.