



HT1111LC Stage

Robust Motorized Stepper Stage for Upright Microscopes



The HT1111LC motorized stepper stage from Prior Scientific is ideal for demanding applications, especially in industry and material science, where a stage able to withstand high point loads is needed but precision and reliability are still crucial.

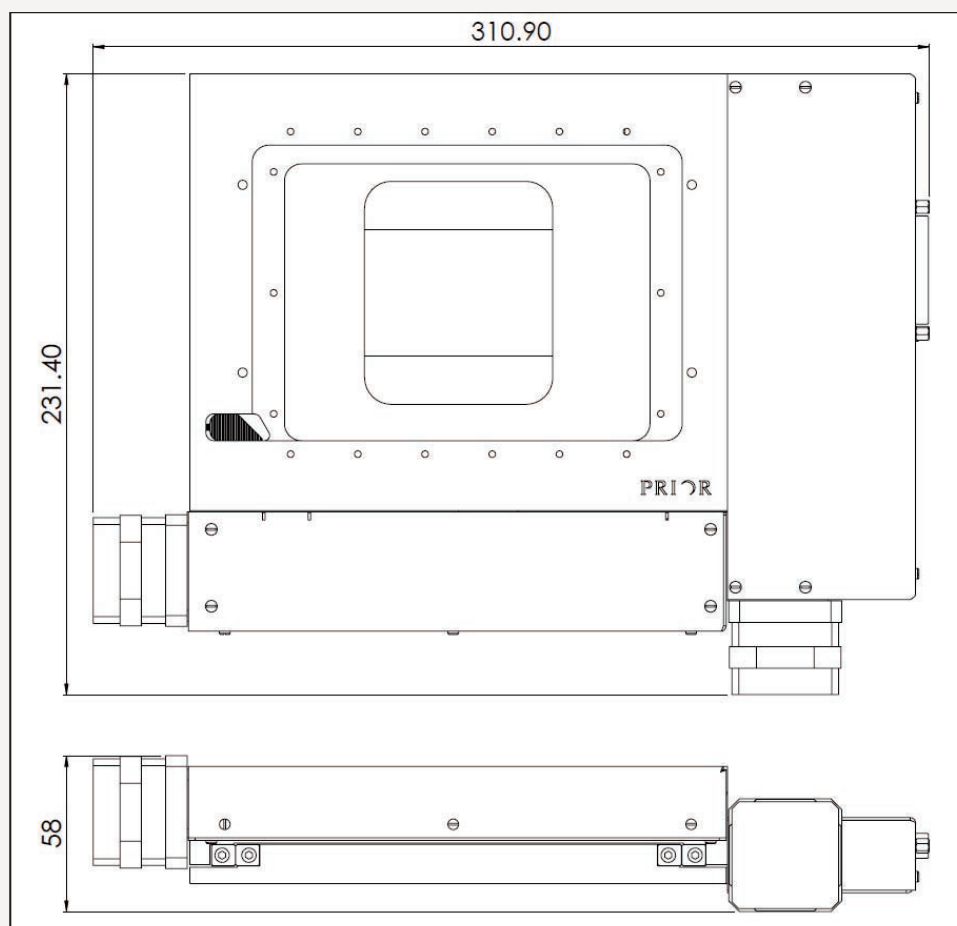
- Able to withstand high point loads of up to 100 kilograms without damage.
- Fully controllable via the ProScan III system, allowing the stage to be incorporated into an advanced automated system. Can be controlled via a joystick, USB or RS232 commands. Control can also be via compatible software* in OEM systems.
- Excellent resolution of 20 nanometers, when used with a controller from Prior Scientific.
- Large range of travel (108 mm x 108 mm).
- Repeatability of 1.5 μ m; suitable for applications requiring precise control of the stage.
- Manufactured with precision bearings and zero backlash recirculating ball screws.
- Extremely versatile - compatible with a wide variety of both standard and custom slide holders from Prior Scientific. Externally adjustable X and Y limit switches mean that the stage can be incorporated into a number of microscopes and testing stands.
- Tough, scratch resistant coating protects the stand.

*Performance may vary

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Dimensions



General Specifications*

Feature	Specification
Travel Range	108 mm x 108 mm
XY Repeatability	1.5 µm
Minimum Step Size (Resolution)	0.02 microns
Load Capacity	100 kg point load
Stepper Motor	2 phase bipolar, 1 amp per phase microstepping
Limit Switches	X and Y standard
Stage Profile	Approx. 43.5 mm with solid plate installed
Finish	Electrophoretic black plate

* Specifications valid only if used with a Prior controller; and based upon the Prior method of testing

Ordering Information

Please specify microscope make and model when ordering

HT1111LC	Motorized stepper stage
H649	Holder for 1.0", 1.25", and 1.5" diameter metallurgical specimens**

** Other sample holders may be suitable depending on the exact application.



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