



# 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).
- $\bullet$  Repeatability of 1.5  $\mu m;$  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.

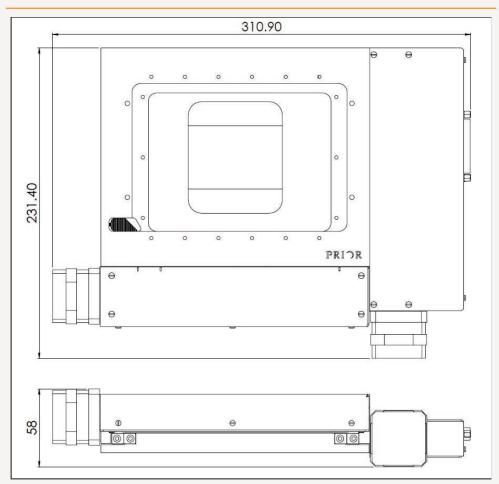
<sup>\*</sup>Performance may vary



## HT1111LC Stage

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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

<sup>\*</sup> 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**

 $<sup>^{\</sup>star\star}$  Other sample holders may be suitable depending on the exact application.



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