

PS3H122R

Bolt-on motorized focus drive for manual microscopes

Prior's PS3H122R bolt-on motorized focus drive is compatible with numerous microscope brands, including Nikon, Evident/Olympus, Zeiss, and Leica microscopes.

The unit clamps directly to the coarse focus knob and assumes control over the fine focus, having sufficient resolution to maintain the step resolution of the manual focus drive it is attached to.

Installation is simple and does not require the microscope body to be inverted or disassembled. Simply clamp the PS3H122R onto the focus drive and push it onto the fine focus knob. Additionally, some microscopes allow the PS3H122R to be directly coupled to the fine focus drive, enhancing repeatability and accuracy.

Compatible with Prior's OptiScan® and ProScan® controllers, the PS3H122R represents a simple method of enabling automated Z-stacking, extended focus imaging and autofocus operations on manual microscopes.



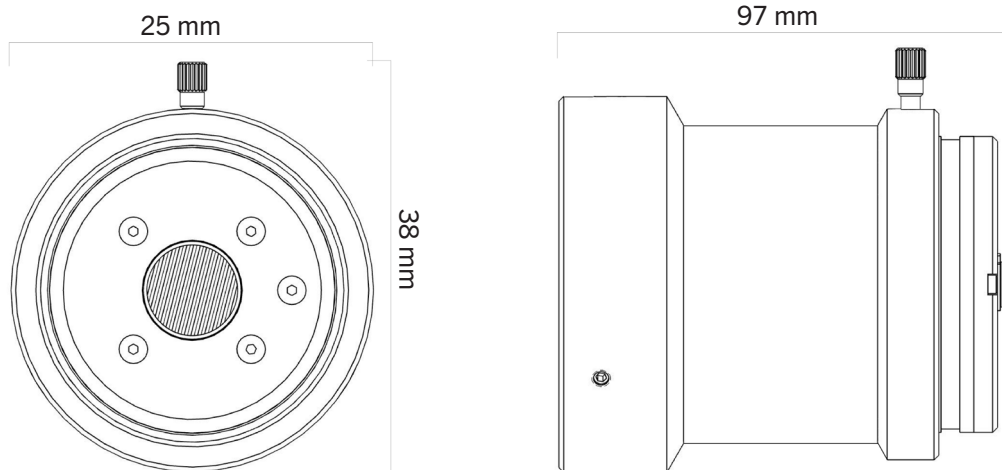
Key Features

- No twist cable connection.
- 0.002 μm minimum step size ensures microscope fine focus resolution is retained.
- Easy to install, no microscope disassembly required.
- Adaptable to numerous current and older generation commercial microscopes.

Applications

- Metrology
- Slide scanning
- Pathology
- Fluorescence microscopy

Dimensions



Specifications

PS3H122R

Travel range ¹	∞
Resolution ²	0.002 µm
Maximum load ³	15 kg
Cable length	2 m

1. The PS3H122R has unlimited travel range being a rotary device. The typical travel range of compatible microscope focusing axis is 10-30 mm. The PS3H122R does not increase the travel range of the focusing axis.
2. This is the microstep resolution of the PS3H122R. Actual step resolution will be dependent on the microscope focusing axis, which is typically 0.1-1 microns. The PS3H122R does not increase the resolution of the focusing axis.
3. The PS3H122R is compatible with Prior's largest microscopy stage (H112/2ST) when mounted on a suitable microscope focusing axis. Compatible microscope focusing axes typically have a load capacity of 2.5-15 kg. The PS3H122R does not increase the load capacity of the focusing axis. For heavier loads, a direct coupling to the microscope focusing axis is recommended.

Ordering Information

Part Number	Description
PS3H122R	Generic focus drive and adapter with rotating cable system preventing cable twisting (requires specific focus sleeve and optional direct coupling).

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