

## H101 FLAT TOP STAGE

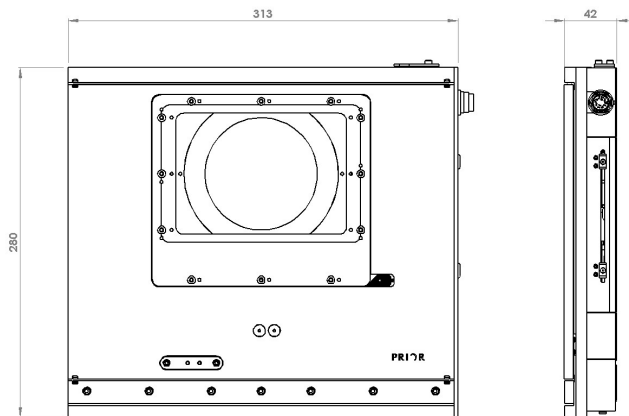
For upright microscopes

114mm x 75mm travel, flat top motorised scanning stage.



H101P2\*\* (see ordering information below) with H234F (4 x Slide Holder)

The newest addition to the H101 family of flat top stages for most upright research microscopes. Greater objective clearance means that the sample position is at its highest point of the stage at any given time. The H101 flat top stage is part of a full range of ProScan™ III stages designed to fit most upright microscopes. The basic stage has an adaptor system to allow one universal stage to fit many microscopes.



### ACCESSORIES

| Part Number | Description   |
|-------------|---|
| H224F       | Single Slide Holder 3" x 1"   |
| H234F       | 4 Slide Holder  |
| H3848       | Converter plate to enable older sample holders to be fitted: NOTE the older sample holders have different focus heights and may not work on some microscopes. |

### ORDERING INFORMATION

- H101\*\*BX - Olympus BX range with dovetail mount.
- H101\*\*B3 - Olympus BX63 with fixed pillar mount.
- H101\*\*Ci - Nikon Ci, Ni and older eclipse range. (non rotatable dovetail)
- H101\*\*Ni - Nikon Ni and older eclipse range.
- H101\*\*AX - Zeiss Axioimager.
- H101\*\*DM - Leica DM2500 to DN6000

## Specifications

| Performance                               | H101P2F  | H101E2F  | H101P1F  | H101E1F  | Units             |
|---|----------|----------|----------|----------|-------------------|
| **Bi-Directional Repeatability (average)  | 1.3      | 0.8      | 1.0      | 0.6      | µm                |
| **Uni-Directional Repeatability (average) | 0.2      | 0.2      | 0.2      | 0.2      | µm                |
| Minimum step size                         | 0.04     | 0.04     | 0.02     | 0.02     | µm                |
| Maximum Speed                             | 60       | 60       | 30       | 30       | mms <sup>-1</sup> |
| *Metric Accuracy (average)                | 0.06     | 0.06     | 0.06     | 0.05     | µm                |
| Maximum Travel Range                      | 114 x 75 | 114 x 75 | 114 x 75 | 114 x 75 | mm                |
| Maximum Load                              | 10       | 10       | 10       | 10       | kg                |
| Squareness                                | 30       | 30       | 30       | 30       | Arc sec           |
| Weight                                    | 5        | 5        | 5        | 5        | kg                |
| Ball Screw Pitch                          | 2        | 2        | 1        | 1        | mm                |
| Motor Type                                | 200      | 200      | 200      | 200      | ***S.P.R          |
| Encoders                                  | NO       | YES      | NO       | YES      | µm res            |

\* Requires the use of Prior ProScan™ Controller and are based on the Prior method of testing. Based on performance with IST enabled and measured over the full travel range.

\*\* Using a Prior ProScan™ controller with backlash correction enabled, all repeatability is uni-directional.

\*\*\* S.P.R Full steps per revolution of motor.

### Controller options



#### Patented Intelligent Scanning Technology (IST):

The ProScan™ III Controller and stage include as standard IST which significantly improves the metric accuracy of the ProScan™ stage.

#### Prior Interactive Control Centre:

PS3J100 local control centre provides positional feedback and the ability to measure distances. The stage can be controlled either via the joystick or via fine individual X and Y control knobs.

#### ProScan™ III Ordering information:

**V31XYZ** X,Y and Z axis control.

**V31XYZE** Encoded X,Y Z axis control.

**V31XYZF** X,Y Z axis, Filterwheels and Shutter control.

**V31XYZEF** Encoded X,Y, and Z axis, Filterwheels and shutter control.