

H101A

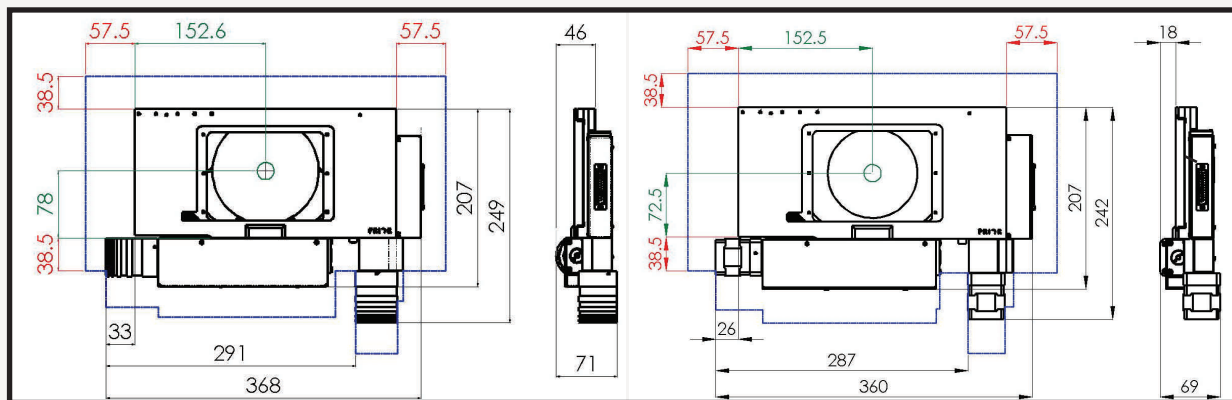
114 X 75 mm motorised scanning stage for upright microscopes



The H101A is part of a full range of ProScan™ III stages designed to fit almost all modern upright microscopes. The basic stage has an adaption system to allow one universal stage to fit many microscopes. The stage is compatible with sample holders for up to four standard slides, semiconductor wafers, metallurgical specimens, Microtitre plates or Petri dishes. Incorporating the Prior IST system, this stage is reliable, versatile and precise.

- < 1µm resolution.
- Interchangeable and low profile sample holders.
- At least ± 0.2µm repeatability.
- RS232 and USB controlled, and compatible with most 3rd party software..
- Accepts linear encoders.
- Choice of motor type and high precision ball screw.
- Travel range of 114 x 75 mm.
- Anti-backlash mechanism and adjustable limit switches.

Dimensions



Type 1

Type 2

H101A

114 X 75 mm motorised scanning stage for upright microscopes

Performance and Specifications

Performance*	H101A	HIPIA	HIP4A	HEO1A	HEPIA	HEP4A
Uni Directional Repeatability* (Mean) in μm	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2
Minimum Step Size in μm	0.04	0.02	0.01	0.04	0.02	0.01
Recommended Speed (Maximum speed) in mm per seconds	40 (100)	20 (50)	15 (25)	40 (100)	20 (50)	15 (25)
Metric accuracy per mm of travel (Average performance)	0.06	0.059	0.059	0.057	0.046	0.046
Specifications						
Maximum travel range in mm	114 x 75	114 x 75	114 x 75	114 x 75	114 x 75	114 x 75
Maximum load in kg	10	10	10	10	10	10
Squareness in arc sec	30	30	30	30	30	30
Weight in kg	5	5	5	5	5	5
Type	1	1	2	1	1	2
Ball Screw Pitch	2	1	1	2	1	1
Motor Type SPR**	200	200	400	200	200	400
Encoder***	NO	NO	NO	YES	YES	YES

Requires the use of a Prior ProScan™ II or above controller and are based on Prior method of testing.

*Using a Prior ProScan™ controllers with backlash correction enabled, all repeatability is Uni-directional, mean performance.

Values in () represent potential performance.

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

*** 0.1 μm res encoding provided.

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