

NZ200F Nanopositioning Piezo Stage For Upright Microscopes



Designed especially for Prior's flat top stage, the NanoScan 200F allows the user to combine the versatility of the H101F flat top stage with the precision provided by the NanoScanZ.

With 200 μm of travel, the Piezo stage offers positioning in the nanometre range, and its low profile design maximises objective clearances. Suitable for a wide range of applications, the NZ200F is compatible with Prior's standard sample holders. The NZF is controllable via RS232, USB or analog (0-10 v) control and is fully compatible with DIC techniques.

Controlled via the powerful ProScan® III control system, the H101F is one of Prior's most popular stages, providing a large, flat surface area, a large range of travel (117 x 117 mm) and precise movement, with a resolution of just 0.02 μm and optional encoders available. The ultra low profile and flat design allows the use of large objectives.

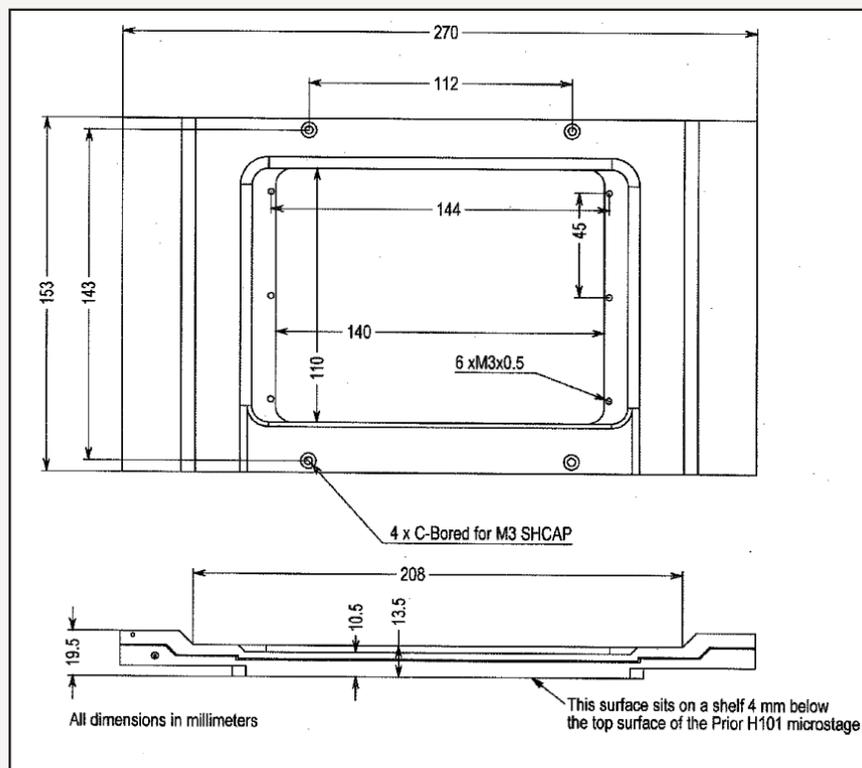
Sample holders available

H234LP	Low profile slide holder for four 76x26mm microscope slides
H237LP	Low profile slide holder for one 76x51mm microscope slide
H473UP	Universal specimen holder (slides, Petri dishes and small flasks) for stereo microscopes

NZ200F Nanopositioning Piezo Stage

For Upright Microscopes

Dimensions



NZ200F Specifications

Specification	Description
Range of motion	200 μ m
Repeatability	1 nm
Step Response	20 ms
Accuracy	0.2% of travel
Resonant Frequency	350 Hz (\pm 20%)
Inplane Tilt	30 μ m rad (typical)
Operating Temperature	5-50°C
Body Material	Anodized Aluminium
Stage Control Input	Analog (0-10 VDC), USB, RS232
Power Requirement	90-240V AC
Output position signal	0-10 V

Ordering Information

Part	Description
NZ200F	200 μ m NanoScanZ piezo driven Z stage and controller. Compatible with Prior's H117 and H101F motorised stages. Includes DLL to simplify software integration.
H101F*	Prior ProScan Stage for Upright Microscopes
H101EF*	Prior ProScan Stage for Upright Microscopes
H3848	Stage/sample adapter plate for non piezo use.

*A range of motor speeds and ball screw pitches are available; consult Prior for more information.

Worldwide distribution

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