

NZ200FCE Nanopositioning Piezo Stage For Upright Microscopes



The NZ200FCE is Prior Scientific's latest addition to our Nanopositioning Piezo Stage product line. The NZ200FCE is designed specifically for the H101F flat top stage models.

Piezo features:

- 200 micron travel
- Piezo stage attaches with four easy access screws
- Analog (0-10V) control
- Low profile design to maximize objective clearances
- Accepts Prior's standard sample holders including four slide holder (H224LP, H224ARMS, H234LP, H473UP, etc.)

H101F notes:

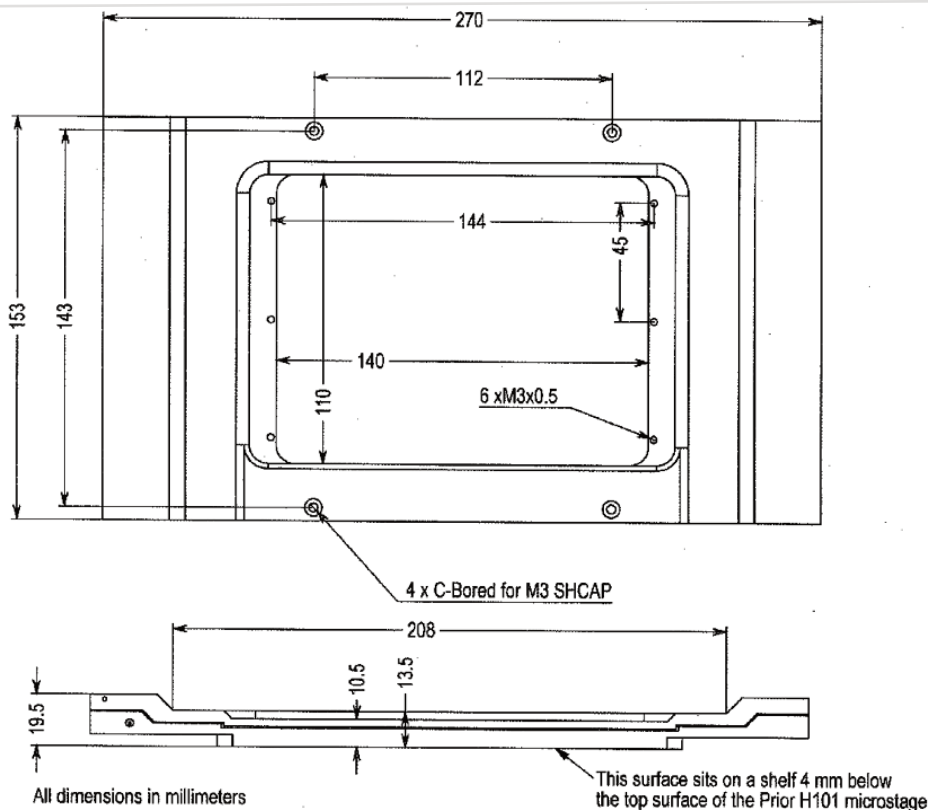
- Large open sample holder area ideal for custom holders (176mm x 154mm)
- H3848 adapter plate to use one set of standard sample holders
- H101F stage fits most modern upright scopes
- Encoded or non-encoded stages
- Flat top design to maximize objective clearances

NZ200FCE Features:

- 200 microns of travel
- Attaches with four access screws
- Low profile design to maximize objective clearances
- Closed loop control utilizing sub-angstrom resolution piezo resistive sensor
- RS232/USB or analog (0-10V) control
- Compatibility with software already programmed to control piezo objectives
- Compatible with DIC technique
- For use with Prior H101F flat top stages

NanoScanZ NZ200CE Nanopositioning Piezo Z Stage
For Upright Microscopes

Drawing



NZ200CE Specifications

Specification	Description
Range of Motion	200 microns
Repeatability	1 nanometer
Step Response	20 milliseconds
Accuracy/Linearity	0.2% of travel
Resonant Frequency	350 Hz (+/- 20%)
Inplane Tilt	30 micron rad typical
Operating Temp. Range	5 to 50 degrees C
Body Material	Anodized aluminum
Stage Control Input	Analog (0-10VDC) RS232/USB
Power Requirement	90-240V AC
Output Position Signal	0.0-10.0V

Ordering Information For Z Axis 200 Micron Piezo Stage

Part Number	Description
NZ200CE	Prior NanoScan with 200 micron travel for H101F stage

H101F Flat Top Stage with 200 Micron Piezo Ordering Information

Part Number	Description
H101P1F	ProScan H101F flat top stage for upright microscopes
H101E1F	ProScan H101F flat top encoded stage for upright microscopes
H3848	Stage/sample adapter plate for non piezo use
H101FXYZEN2	Kit includes: encoded H101E1F stage, adapter plate, NZ200FCE piezo stage, PS3J100 joystick, H31XYZE controller, H224ARMS sample holder (holds 1x3 or 2x3 slide), all cables and mounting hardware