

## NanoScanZ 400

### Piezo : focussing Stage and 7 controller



Offering researchers fast and highly precise control of the Z axis, the NanoScanZ 400 is ideally suited to deconvolution, 3D reconstruction and confocal microscopy; particularly for applications demanding live cells.

Unlike other piezo focussing devices that move a single objective lens, the NanoScanZ can be used with all nose-piece positions, ensuring no loss of parfocality. In addition, DIC techniques can be used with the NanoScan Z.

The NanoScanZ 400 @ 400 µm of travel. It is compatible with the Zeiss AxioVert 200/AxioObserver, Nikon TE2000/TI, Olympus IX51/71/81 and the Leica DMIRB/DMI 4000/DMI 5000/DMI 6000 microscopes. It is also compatible with the manual stages of these microscopes with the purchase of an adapter.

- Compatible with the ProScan®H117 range of stages
- Accuracy and linearity 0.5% of travel
- 5 nanometer repeatability
- Interchangeable sample holders
- High precision closed loop feedback
- Compatible with ProScan controllers and motorised stages
- Can be driven by all software that supports objective collars
- Faster than objective collars - all size movements complete in under 20 milliseconds
- LCD display clearly shows current position
- RS232 and USB control
- Fully CE compliant
- Range of compatible inserts allows analysis of a wide range of samples

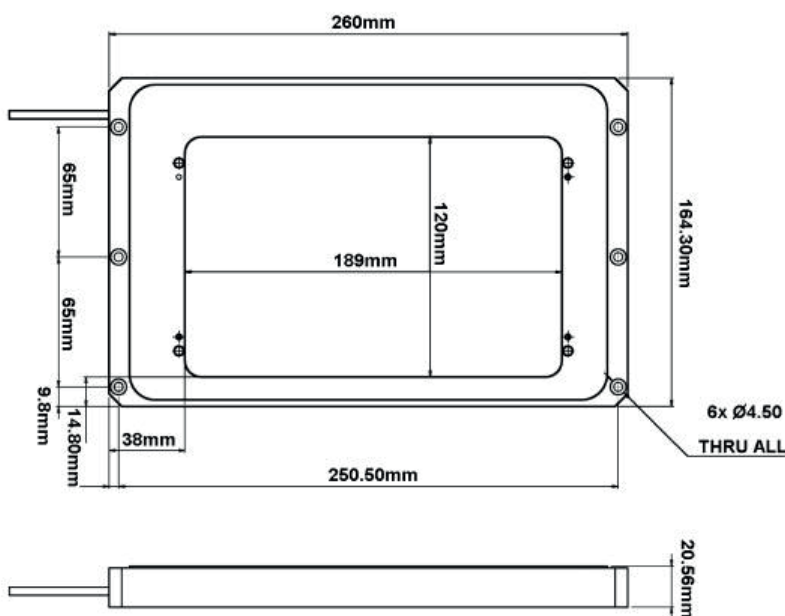
### Products Available

Part	Movement	Samples accommodated
NZ400CE	400	26 x 76 mm slides/70mm Petri dishes/ 85 x 128mm Microtitre/Well Plates

## NanoScanZ 400

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### Dimensions



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Feature	Specification
Operating Temperature	5-50°C
Body Material	Anodized Aluminum
Stage Control Input	Analogue (0-10 volt DC) USB RS232 from Proscan controller
Power Requirement	90-240 Volt AC
Repeatability	1nm
Accuracy/Linearity	.5% of travel
Max. load	500g
Resonant Frequency	1KHz
Inplane tilt	10µrad (typical) - Power Requirement
Output Position Signal	0.0-10.0 Volt DC

### Sample Holders

Product	Description
NZ301	Microtitre plate holder for NZ400CE (85 x 128 mm)
NZ302	Universal specimen holder for NZ400CE
NZ303	Slide holder for one 76 mm x 25 mm slide for NZ400CE
NZ304	Terasaki plate holder for NZ400CE
Various	Incubator for NZ400CE for slides, Petri dishes or well plates.
H471	Slide holder for one 76 mm x 25 mm slide
H472	Holder for 35 mm Petri dish
H499	Universal specimen holder
H489	Adapter plate for manual stages from Zeiss, Olympus and Nikon Inverted Microscopes

### Worldwide distribution

**Prior Scientific Ltd**  
Cambridge, UK  
T. +44 (0) 1223 881 711  
E. [uksales@prior.com](mailto:uksales@prior.com)

**Prior Scientific Inc**  
Rockland, MA USA  
T. +1 781-878-8442  
E. [info@prior.com](mailto:info@prior.com)

**Prior Scientific GmbH**  
Jena, Germany  
T. +49 (0) 3641 675 650  
E. [jena@prior.com](mailto:jena@prior.com)

**Prior Scientific KK**  
Tokyo, Japan  
T. +81-3-5652-8831  
E. [info-japan@prior.com](mailto:info-japan@prior.com)