PRIOR PRECISION IN MOTION
Scientific

NanoScan Z 100, 200 & 400

Fast Piezo focussing stage and controller

Offering researchers fast and highly precise control of the Z axis, the NanoScanZ 100, 200 & 400 are 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 100 has 100 µm of travel, the NanoScanZ 200 200 µm and 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.

Products available

Part	Movement	Samples accomodated
NZ100	100	26 x 76 mm slides/ 35 mm Petri dishes
NZ200	200	26 x 76 mm slides/35 mm Petri dishes
NZ400	400	26 x 76 mm slides/70mm Petri dishes/ 85 x 128mm Microtitre/Well Plates

- Compatible with the ProScan™ H117 range of stages
- Accuracy and Linearity 0.5% of travel
- 1nm repeatability (5 nm for NZ400)
- 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 approximately 10ms
- 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

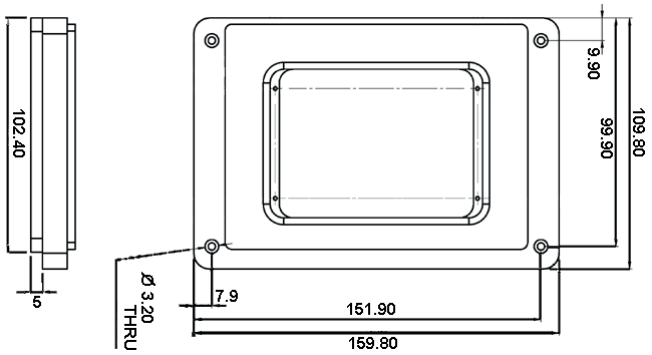
PRIOR PRECISION IN MOTION
Scientific

NanoScanZ 100, 200 &400

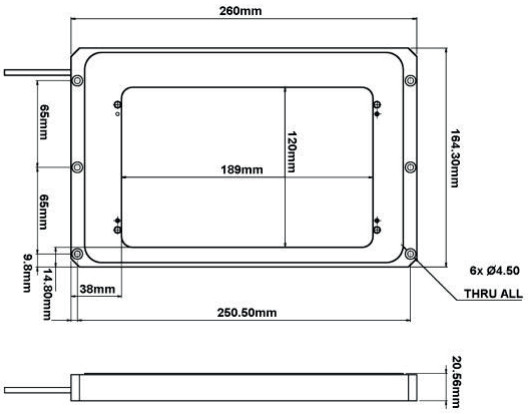
Motorised Stage Systems

Specifications and Dimensions

NanoscanZ 100/200



NanoscanZ 400



Feature	Specification
Operating Temperature	5-50^{o}C
Body Material	Anodised Aluminium
Stage Control Input	Analogue (0-10 volt DC)
	USB
	RS232 from Proscan controller
Power Requirement	90-240 Volt AC

Feature	Specification
Repeatability	1nm (5 for NZ400)
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

Samples Holders

Product	Description
NZ 301	Microtitre plate holder for NZ 400 (85 x 128 mm)
NZ302	Universal Specimen Holder for NZ 400
NZ303	Slide holder for 1 76 mm x 25 mm slide for NZ 400
NZ304	Terasaki plate holder for NZ 400
Various	Incubator for NZ 400 for slides, Petri dishes or well plates.
H471	Slide holder for 1 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
Various	Incubator for NZ 100/200 for slides, Petri dishes or well plates.

PRIOR Scientific

bsi. ISO 9001 Quality Management
FM 61600

Worldwide distribution

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

Prior Scientific Inc
Rockland, MA USA
T. +1 781-878-8442
E. info@prior.com

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

Prior Scientific KK
Tokyo, Japan
T. +81-3-5652-8831
E. info-japan@prior.com