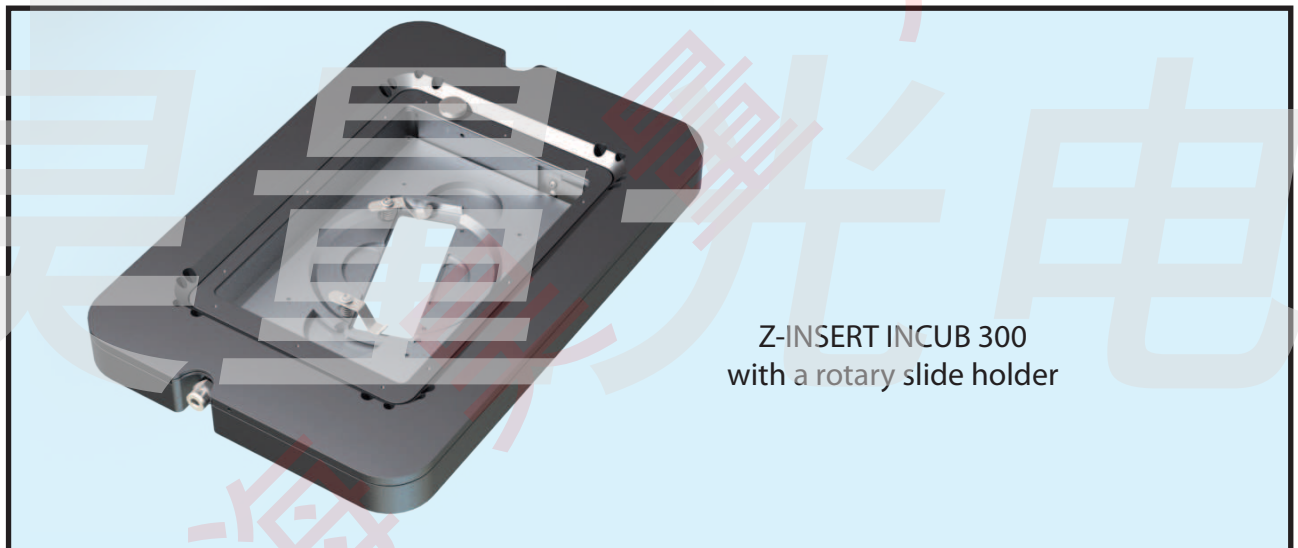


Z-INSERT INCUB NANOPositionNER

The Z-insert Incubator is a special version of the Z-Insert with an embedded environmental chamber. It has the ideal design to create the proper environment for long-lasting live cell imaging :

- A 128.5 mm by 86.5 mm opening that accepts directly any multi-well microplates with a SBS Standard
- Input(s) can be connected to a variety of CO2 regulator (on request : Okolab, Tokai Hit, Pecon, Digital Pixel...).
- Input and output holes through the chamber can be accessed for perfusion
- The lid is easily removable for direct access to the sample

The Z-insert Incubator stage has all the advantages of the Z-Insert, that means it fits directly any standard 160mm x 110mm opening (K-type frame) which is used on most stages provided by third party manufacturers.



Z-INSERT INCUB 300
with a rotary slide holder

Features

- Travel ranges up to 500µm
- Integrated environmental chamber
- Closed loop control
- Silicon sensor technology
- Less than 30pm noise floor

Applications

- Z-stack
- Autofocus system
- Confocal microscopy
- Super Resolution microscopy
- Biotechnology

Specifications

	Z-INSERT INCUB 100	Z-INSERT INCUB 200	Z-INSERT INCUB 300	Z-INSERT INCUB 500
Range of motion (μm)	100	200	300	500
Resolution (nm)	0,1	0,2	0,3	0,5
Typical noise floor (nm)	0,01	0,02	0,03	0,05
Full range repeatability (nm)	0,2	0,4	0,6	1
Linearization (typical)	0,02%	0,02%	0,02%	0,02%
Resonant frequency (Hz)	500	450	350	250
Stiffness (N/μm)	0,6	0,6	0,4	0,25
Maximum load (kg) - horizontal use	1	1	1	1
Maximum load (kg) - vertical use	0,5	0,5	0,5	0,5
Sensor	Silicon HR sensor	Silicon HR sensor	Silicon HR sensor	Silicon HR sensor
Size W x L x H (mm)	148 x 218,5 x 27,3	148 x 218,5 x 27,3	148 x 218,5 x 27,3	148 x 218,5 x 27,3
Material	Al	Al	Al	Al
Cable length (m)	2	2	2	2
Recommended Controller	Standard	Standard	Standard	Standard

Drawing

