

Stereotaxic Instruments



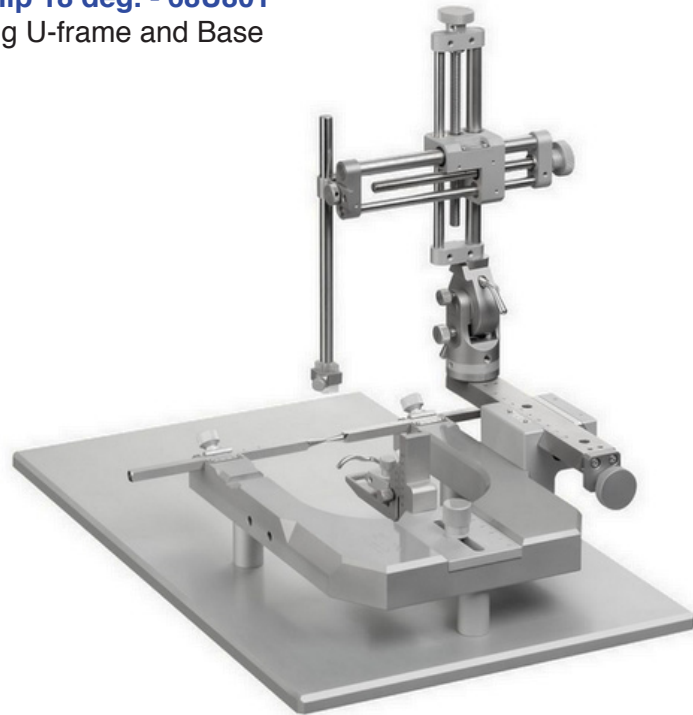


Stereotaxic Instruments

These Stereotaxic Instruments are developed under the guidance of neuroscience experts. The basic U-frame used in this design provides easy access to all-directional operation on the animal and it is mounted directly to the base plate. Various adaptors are available for use with rat, mouse, guinea pig etc.

Configuration Stereotaxic, SGL Manip 18 deg. - 68U801

- Stereotaxic Basic Module (including U-frame and Base board, SGL Manipulator)
- Ear Bars, Rat, 18 Deg. 1 pair
- Rat Adaptor-Nose Clamp
- Probe Holder-Corner



Features:

- Adaptors available for use with rats, mice, guinea pigs, birds, cats, dogs, primates, rabbits etc
- 80mm of vertical, lateral and anterior-posterior travel.
- 180° rotation and lock at any angle vertical
- 360° rotation and lock at any angles available
- Syringe pump, microcamera and drill can be attached to the Sterotaxic Instrument directly
- Dual-lead screws allow the more stable and accurate movement
- Maintain accuracy and flexibility under different temperatures
- With advanced surface processing technique, base and frame are easy to clean
- Available for various species with the extended base plate 400 x 255mm
- The unique anti-clockwise mark engraved in the knob signifying effortless vertical operation
- Vertical lock and fixing knob are separated to ensure accurate position at any angle
- The precisely designed rotary knob and the U frame supply sufficient space for the anterior-posterior operation
- Laser engraved scales and darken rod make the numerals easy to read
- Curve design of nose clamp fits the head of the animal more tightly
- Use plate pressing plate rather than clamping in the locking the Ear bar
- Without the embedded spring, the knob and the lead screw connect compactly

Digital Stereotaxic Instruments



Digital Stereotaxic Desktop features all the characteristics of the standard Sterotaxic with additionally a sealed electronic sensor and compact LCD display, which is set up independently. The easy-to-read display offers 10 micron resolution in all 3 axes. Its zeroing function for targeting specific coordinates, simplifies the experiment. (Battery operated!)

Digital Stereotaxic, Desktop, SGL M, 18Deg. 68U025

- Stereotaxic Basic Module (including U-frame and Base board, SGL Manipulator)
- Ear Bars, Rat 18 Deg - 1 pair
- Rat adaptor-Nose Clamp
- Stereotaxic Desktop Digital Display Module
- Probe holder-corner

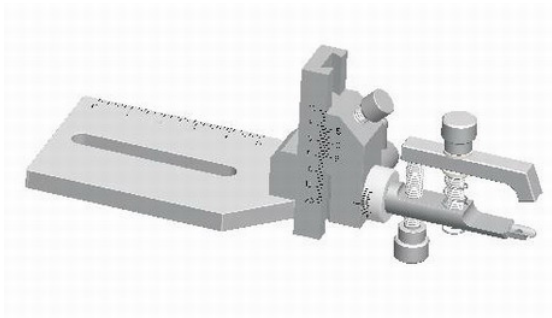


Features as 68U801 and additional:

- Adaptors available for use with rats, mice, guinea pigs, birds, cats, dogs, primates, rabbits etc
- 80mm of vertical, lateral and anterior-posterior travel.
- 180° rotation and lock at any angle vertical
- 360° rotation and lock at any angles available
- Syringe pump, microcamera and drill can be attached to the Sterotaxic Instrument directly
- Dual-lead screws allow the more stable and accurate movement
- Maintain accuracy and flexibility under different temperatures
- With advanced surface processing technique, base and frame are easy to clean
- Zeroing function for targeting specific coordinates
- Precision of manipulator in all directions reaches 10Um
- The sensor and display are installed separately, making it easy to read
- Battery can be used for a long time, without electronic noise, easy for electrophysiology experiments
- Available for various species with the extended base plate 400 x 255mm
- The unique anti-clockwise mark engraved in the knob signifying effortless vertical operation
- Vertical lock and fixing knob are separated to ensure accurate position at any angle
- The precisely designed rotary knob and the U frame supply sufficient space for the anterior-posterior operation
- Laser engraved scales and darken rod make the numerals easy to read
- Curve design of nose clamp fits the head of the animal more tightly
- Use plate pressing plate rather than clamping in the locking the Ear bar
- Without the embedded spring, the knob and the lead screw connect compactly



Accessories for Stereotaxic Instruments



Mouse Adaptor 68U009:

This Mouse Adaptor holds the animals head by means of a palate bar and nose clamp. It offers vertical regulation to make the head level or at a certain angle.

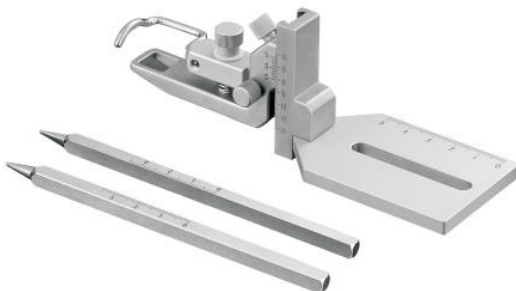
Vertical adjustment 30mm (+10mm~20mm) with increments 0,1mm, A-P travel adjustment 43,5mm, coronal adjustment 35°.

This adaptor is available with either mouse serrated or rubber ear bars. (optional)



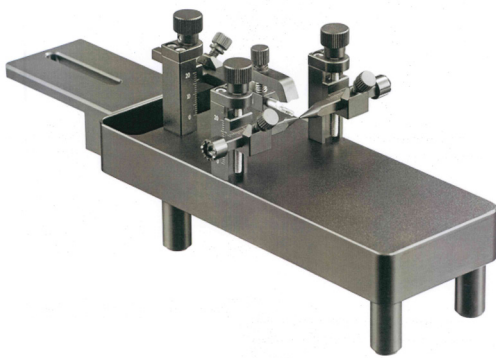
Mouse Adaptor 68U010:

This is a simple mouse adaptor. It holds the animals head by means of a palate bar and nose clamp, rather than using ear bars. Ear bars can cause breathing difficulties and bleeding of mice.



Rat Adaptor 68U020:

The Rat Adaptor is included in the Stereotaxic Instruments. It has 30mm of vertical travel along dovetail slide while processing precision of 100um, and has 50mm of A-P travel. Curve design of nose clamp fixes the head of the animals more tightly. The nose clamp assembly and 18° ear bars are included. The 45° ear bars are optional.



Mouse/ Neonatal Rat Adaptor 68U030:

Mouse and Neonatal Rat Adaptor employs light, Delrin ear bars with tapered points on one end and cuff tips on the other end to avoid hurting fragile skull of the mouse. Further the neonatal rat has no auditory canal to insert the ear bars and our adaptor with cuff can help you to facilitate the surgery.

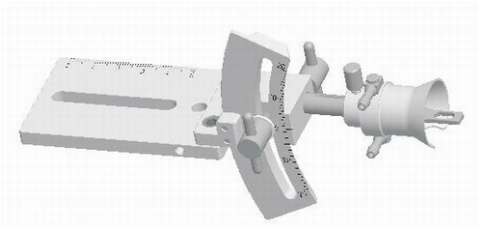
Accessories for Stereotaxic Instruments



Mouse Gas Anesthesia Adaptor 68U061

By positioning the mouse head in different angles, the mouse Gas Anesthesia Adaptor allows the researcher to deliver the anesthetic gas without any obstruction. Dorsal/Ventral adjustments: 30mm (+10mm~-20mm), calibrated in 100um. Vertical angle: 70° (-35° ~+35°) accuracy 5° Lateral angle: 70° (-35° ~+35°) accuracy 5° A/P adjustment 43,5mm Gas anesthesia Mask (Diameter 2mm for both inlet and outlet ports.)

Attention for proper gas evacuation!



Rat Gas Anesthesia Adaptor 68U062:

This Rat Gas anesthesia Adaptor is designed to provide a reliable means for stabilizing the head, allowing versatility to angle the head without obstructing the ability to deliver the gas anesthetic. Arch mounted tooth bar provides head adjustment focused around ear bar zero. In addition, a custom modse clamping mask is incorporated, that can be utilized for delivering gas anesthetic. Dorsal/ Ventral adjustments 40° (+20° ~ -20°), calibrated in 1° Adaptor A/P Adjustment 43,5mm Gas Anesthesia Mask inlet/outlet ports (dia. 2mm)

Attention for proper gas evacuation!

As an alternative for this gas anesthetic adaptor, the UNO Micro Ventilator with intubation is a good and save alternative.



EARS BARS, Pair, Mouse Non-Puncture Cuff 68U307

With hollow serrated, these air bars provide a secure fixing without compressing the sides of the skull inwards (which closes the airways and impedes blood flow).



EARS BARS, Pair, Mouse Non-Puncture Rubber 68U308

These earbars have a O-ring rubber tip to fix the mouse head firmly without any damage to the skull.



EARS BARS, Pair, RAT 18 DEG 68U301

18° ear bars taper at the tip to penetrate far into the ear canal for a more secure fixing. The ear bars are used with the 68U000 small animal stereotaxic.



EARS BARS, Pair, RAT 45 DEG 68U302

45° ear bars. Non-puncture ear bars have a 45° taper and do not puncture the tympanic membrane. It is good for long term study with rats. The ear bars are used with the 68U000 small animal stereotaxic.



Adjustable Stage Platform 68U604 68U605

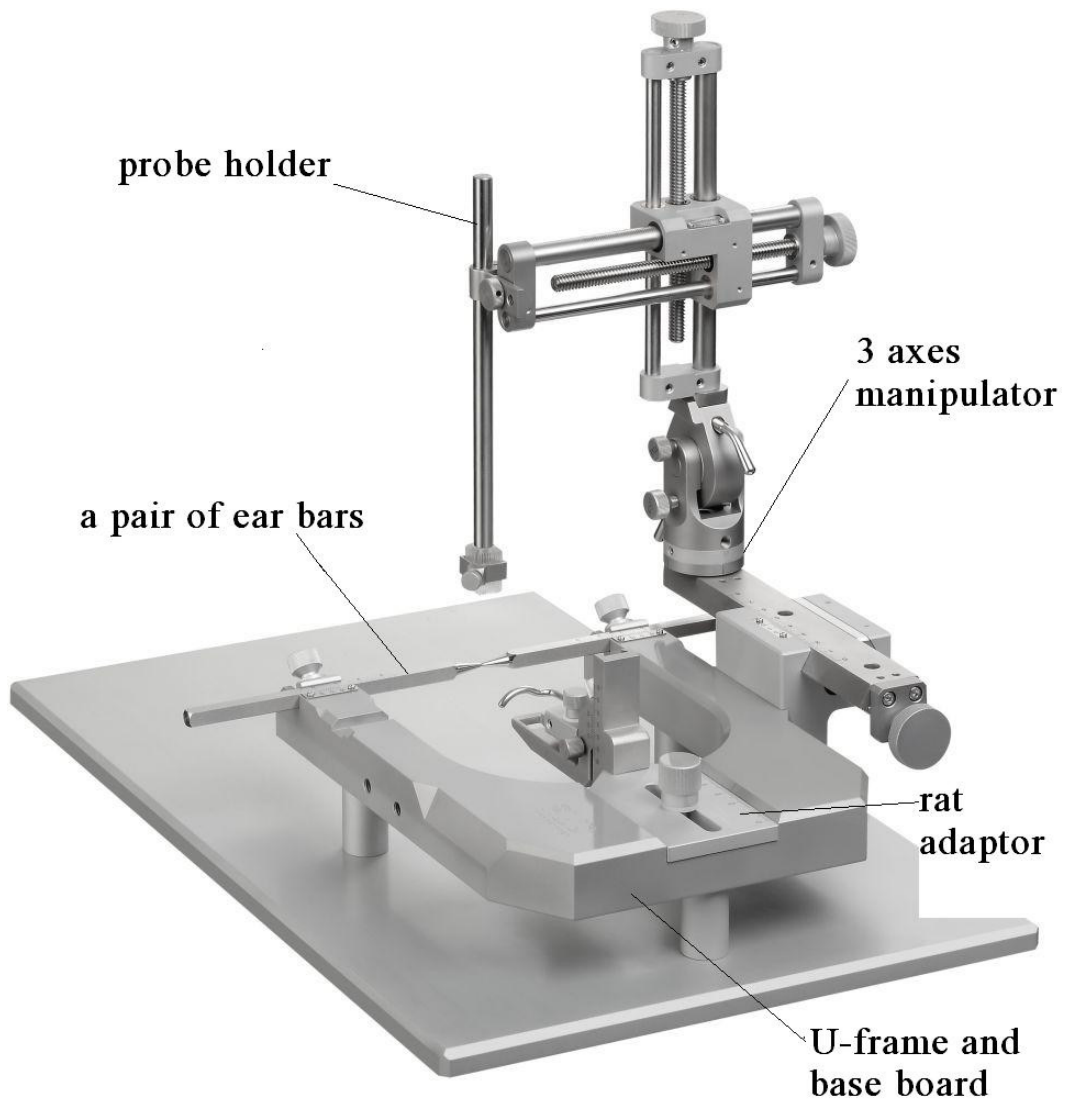
Adjustable Stage Platform is used to lift the body of differnt animals with Sterotaxic Instruments. Adjustable height and positioning of the platform secure the animal more stable and easy.

Dimensions of Platform: 190 x 90 x 11mm

Dimension of Base: 195 x 110 x 12mm

Lifting height: 20mm 68U604

50mm 68U605



probe holder

3 axes
manipulator

a pair of ear bars

rat
adaptor

U-frame and
base board