

MODEL 962 DUAL ULTRA PRECISE SMALL ANIMAL STEREOTAXIC INSTRUMENT



Model 962 Dual Ultra Precise Small Animal Stereotaxic is designed to bring new standards of positioning precision to the small animal stereotaxic.

The instrument consists of the standard Kopf rugged "U" frame assembly. Affixed to the "U" frame are two Model 961 Ultra Precise Micro Manipulators. Model 1770 Electrode Holder with corner clamp is included.

The vertical and lateral slides are mounted on a massive universal joint that is calibrated in two planes. Very close tolerances are held in production with all dovetail slides precision ground. This along with backlash-free drive screws and the sheer mass of the manipulators, assures the most accurate placement of electrodes. Screws are rendered backlash free by use of split spring-loaded nuts.

Manipulator X, Y, Z adjustment - Metric scale 80 mm travel. Calibrated dial - 10 micron resolution 1.0 mm of travel per revolution.

Angle adjustment - Fully universal joint calibrated on two planes for access from any angle. Vertical alignment pin can be removed for angled settings from 0° - 90° either side of vertical.

Rotation adjustment - Manipulator swivel base can be rotated up to 360°. Manipulator X/Z axis can be repositioned at 90° increments.

The stereotaxic frame is mounted to a 17" L x 10" W base plate and is elevated to bring ear bar height to 50 mm. Ear bar slots on the "U" frame have 0.1 mm verniers for ease in centering an animal. Ear bar zero to posterior end of base plate is 8.763".

Model 920 Rat Adaptor features include a Nose and Tooth Bar Assembly offering various stereotaxic adjustments.

Dorsal/Ventral adjustment dial - Calibrated in 100 micron increments, 1 mm per revolution.

Dorsal/Ventral adjustment - 30 mm

Dorsal - 10 mm above ear bar zero

Ventral - 20 mm below ear bar zero

Adaptor Plate A/P adjustment - 44 mm

Ear Bars - Model 957 18° Tip Rat Ear Bars included (6.3 mm square with 35 mm of calibration).

Refer to Table of Contents for a complete list of stereotaxic accessories.

Model 962 Standard Accessories (supplied with Model 962)

Model 900 Stereotaxic "U" Frame Assembly

Model 900-C Base Plate (17" L x 10" W)

Model 920 Rat Adaptor including one set of **Model 957** 18° Tip Rat Ear Bars

2-Model 961 Ultra Precise Micro Manipulator 10 micron resolution, all axes, including **Model 1770** Electrode Holder with Corner Clamp



Model 963 Ultra Precise Small Animal Stereotaxic Instrument

FEATURES

- Quality, versatility and ability to perform are guaranteed by David Kopf Instruments.
- Combines student level operating simplicity with research quality and accuracy.
- Permits accurate and reliable stereotaxic placement.
- Several atlases in current use are based on the Kopf Model 900's dependable parameters.
- Modular accessories allow for expansion of instrument capabilities.
- Adaptable for use with a wide variety of small animals.