

stereotaxic frames

Digital Lab Standard Stereotaxic Instruments



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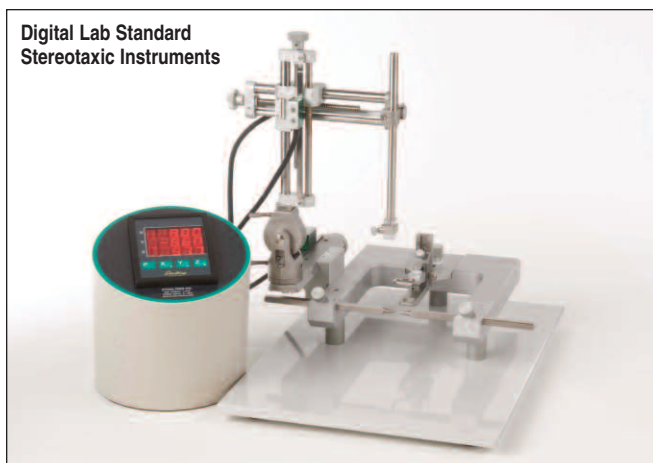
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- Saves time, Improves accuracy
- Zeroing function for targeting specific coordinates
- Easy-to-read digital display offers 10 μ m resolution in all three axes
- Triple-lead screws for fast positioning
- 80 mm of dorsal-ventral, medial-lateral and anterior-posterior travel
- Absolute lock at 90° vertical
- Adaptors available for mice, neonatal rats, birds and most other species
- Easily cleaned, durable surface

This latest innovation in Standard™ Stereotaxic Instruments features a sealed electronic sensor for each axis of the manipulator arm. This sensor is highly immune to outside interference and environmental conditions. Measurements are accurate to 10 microns in all three directions. Movements in all three directions are now monitored by a large, easy-to-read LED display module, with a resolution as precise as 10 microns.

The classic design and high quality of our conventional Lab Standard™ manipulators are exactly the same on the new Digital Stereotaxic, with no drift and smooth movements. The Digital Lab Standard™ keeps the custom triple lead screws to allow fast positioning, while maintaining consistently smooth movement. The thin cords from the sensors do not interfere with movements, allowing the arm to move freely and be set at any angle.

Zeroing Function for Targeting Specific Coordinates

A zeroing function allows the user to set a reference point for targeting specific coordinates on the animal's skull for injection, implantation, etc. Calculation of distance measurements via the vernier scales is thus no longer necessary...saving the user valuable time and improving accuracy.

The display of each axis can be "ZERO"ed at any location, making operation simple and straightforward. To target a specific location, start at Bregma, and reset all coordinates to zero. Move the manipulator arm to the desired point and lower the electrode, probe, or micropipette into place.

Memory

Target coordinates can be programmed into the memory of the PY2 72-6035 and PY2 72-6037 Digital Lab Standard™ Stereotaxics.

Versatility of Positioning

The universal joint allows the investigator to angle the probe in either the anterior-posterior or the lateral-medial planes. The improved locking mechanism on the Lab Standard™ Stereotaxic Instruments will hold any angled position without slippage. Of course, it also provides an absolute lock at the vertical position. The manipulator arm may be swiveled out of the way for convenience in installing the animal or performing a procedure, then returned to the same point reliably with the aid of the locking face block above the swivel joint.

Included Components

The PY2 72-6035 and PY2 72-6037 Digital Lab Standard™ Small Animal Stereotaxic Instruments include a Standard Probe Holder with corner clamp, a Rat Adapter (nose clamp assembly and 18° Taper Ear Bars). The PY2 72-6036 and PY2 72-6038 include the non-puncture 45° Taper Ear Bars instead of the 18° Taper Ear Bars. They are otherwise identical to the PY2 72-6035 and PY2 72-6037.

Accessories

All of the accessories for the Lab Standard™ Stereotaxic Instruments fit the Digital Lab Standard™ Small Animal Stereotaxic Instruments. Probe holders and species adaptors for 'U' frame stereotaxic instruments made by other manufacturers are generally compatible with the Lab Standard frame.

The time-proven U-Frame design concept, rugged construction, and adaptability to most species used in the lab make The Lab Standard™ series the best choice for stereotaxic instruments.

Order #	Model	Product
PY2 72-6035	51900	Digital Lab Standard™ Stereotaxic with LED Display, 18° Ear Bars
PY2 72-6036	51950	Digital Lab Standard™ Stereotaxic with LED Display, 45° Ear Bars
PY2 72-9570	51925	Digital Lab Standard™ Stereotaxic with Mouse and Neonatal Rat Adaptor
PY2 72-6037	51903	Digital Dual Manipulator Lab Standard™ Stereotaxic with LED Display, 18° Ear Bars
PY2 72-6038	51953	Digital Dual Manipulator Lab Standard™ Stereotaxic with LED Display, 45° Ear Bars
PY2 72-9571	51928	Digital Dual Lab Standard™ Stereotaxic with Mouse and Neonatal Rat Adaptor

Our Nanomite Syringe Pump will fit on the Manipulator Arm of our Stereotaxic Frames, see page A15.



NOTE: Upgrade your Lab Standard or existing stereotaxic instrument to motorized, see page L23.