

MODEL 750 NEEDLE PIPETTE PULLER



PROGRAMMABLE REPEATABILITY!

At the push of a button...

Model 750 Needle Pipette Puller is a microprocessor controlled needle pipette puller with keypad control and digital display. Kopf precision and reliability have been combined with advanced technology to provide an easy-to-use, extremely versatile instrument with programmable repeatability.

Microprocessor control of parameters in the pulling sequence, as well as heater size and proximity adjustment, allow a large variety of single and patch clamp micropipettes to be produced. Patch clamp pipettes can be produced with a one stage pull as well as the two stage classical shape. Large tips of five to six microns, as well as extremely fine tips, can be obtained. Pipette glass diameters of 0.4 mm to 3.0 mm, thin as well as heavy walled, can be held and pulled.

In addition, an internal timer accurately measures the pull time of the gravity fall. This reading, in combination with the known parameter settings, allows one to duplicate the precise alignment of the heater filaments for various pipette configurations. This capability, plus the precise control of heater temperature settings, are two very important reasons why Model 750 provides such excellent repeatability.

This microprocessor controlled unit with adjustable heater filaments closed loop heater control gives you more versatility and repeatability in pulling micropipettes and needles than ever before.

The unit pulls pipettes vertically to assure straight, concentric shapes. The slide mechanism employs super accurate bearing components, as have all previous Kopf needle pipette pullers manufactured over the past 45 years. The vertical design is so effective that there is no need for air jet cooling.

Like all Kopf instruments, Model 750 is built for reliability and durability and requires little maintenance.

Model 750 Advanced Features

- Microprocessor controlled for program repeatability.
- Capable of storing up to 100 pipette configuration programs.
- Internal programming for patch clamp parameter settings.
- Tips of .25 microns or less can be obtained.
- Large variety of single and patch clamp micropipettes can be produced.
- Pulls pipettes vertically to help assure straight, concentric shapes.
- Faceplate protects heater from drafts to ensure reproducibility.
- Small, compact size takes up less than a square foot of bench space.

SPECIFICATIONS

Size: 9½" W x 14½" H x 11" D

Weight: 37 lbs (total shipping)

Power Requirements: 100/120/220/240 VAC, 50-60 Hz via rear panel entry module with appropriate power cord.

Digital Display: Three digits, resolution of 0.01. All 0-20 units with resolution of 0.01 units.

Solenoid Current: 0-5 amp DC current regulated with resolution of 0.1 amp.

Delay Time: 0-3 sec. with resolution of 0.001 sec.

Optical Switch: Adjustable micrometer with positive lock calibrated in .01 mm increments.

Fuses: 4 amp, 2.5 amp (100/120 VAC); 3.15 amp., 2.5 amp (220/240 VAC)

Memory: Up to 100 programs

Program is not externally user accessible.