MODEL 2670 MICROPOSITIONER

(NOT FOR USE ON HUMANS)

MICROPOSITIONERS

HYDRAULIC MICROPOSITIONER WITH 35MM TRAVEL

Model 2670 Micropositioner is an electronically controlled hydraulic micro stepping positioner, the latest in a new series of Kopf micropositioners that continue to reflect state-of-the-art technology.

Model 2670 Advanced Electronic Features

Electronic control assembly is designed for travel speeds that can be pre-selected up to 10 pre-defined speed settings with ranges from 1 µm/sec. to 4 mm/sec. with resolution of 0.5 µm. Rapid single motion (burst): from 0.1 µm to 99.9 µm. Due to the performance characteristics of a hydraulic system, select speeds and distances of .5 µm or higher are recommended.

Model 2650-Z Hand Control with 15 foot cable provides absolute control of the microdrive. A retract /advance rocker switch is utilized for directional positioning. Burst and run movement are controlled with individual pushbuttons. A reset button (recessed guard protection) is used for resetting the control panel display readout. We also offer Model 2650-Z-T Hand Control with spring loaded toggle run switch as an alternative to the standard pushbutton style run switch.

Standard unit is a bench top set-up. A 6 foot power cord with applicable power plug is included.

Additional Accessories

Model 2650-S Rackmount Slide Rails/Handles

All Kopf 2600 series Micropositioners are FCC, Part 15 and CE approved.

Model 2670 Advanced Motor Drive Features

The hydraulic motor drive is designed to support linear movement with travel range up to 35 mm. Unit incorporates a limit switch at each end of travel and will automatically stop when reached. A 15 foot cable is used for connecting to the electronics control assembly.

Master and slave cylinder have 1:1 ratio and are connected by 4½ ft. heavy walled flexible teflon tubing. Cylinders have rolling diaphragms to provide absolute separation of air and fluid. Distilled water is used because of its compression factor and low coefficient of expansion at room temperature.

The slave cylinder is supplied with a standard acute electrode block. Chronic electrode block is available and can be supplied upon request. Slave cylinder holder is included for easy attachment to any Kopf manipulator. Master and slave cylinders are easily removable for performing refill procedure on hydraulics assembly.

Ordering Options Available

Must be specified at time of order or standard accessories will be supplied.

Standard	Option
* Acute Electrode Block	* 608-L Chronic Electrode Block
Hydraulic Tubing 4.5 ft	Please specify length
2560-Z Hand Control, Pushbutton "RUN"	2650-Z-T Hand Control, Toggle "RUN"

(Shown on page 81)*

SPECIFICATIONS

Electronic Assembly: 16.8" W x 4" H x 12" D

Hand Control: 1.5" W x 1.25" H x 6" D

Motor Drive Assembly: 3.7" W x 2.4" H x 14" D