

# LP-1000 SPECIFICATIONS



Engineered for the most demanding probing requirement, the APT model LP-1000 High Resolution Micropositioner is precision built for micropositioning to ever smaller Industry standards. Featuring linear motion in all three axis, the LP-1000 provides today's most precise level of control for sub-micron probing.



**Ball bearing slides, allowing backlash-free tri-directional linear motion.**

**Course Z axis, pivoting front probeholder mount provides rapid probe positioning and convenient probe replacements without moving the unit base.**

**Complete compatibility with APT and all other manufactures' probing equipment**

## LP-1000 HIGH RESOLUTION MICROPOSITIONER

### Features and Dimensions

- ◆ Sub-micron resolution. LP-1000 resolution is 100 TPI, or less than 1 micron
- ◆ Pivoting probe holder. The probe holder mount swings toward the operator, allowing easy probe replacement without moving the unit's base
- ◆ Course "Z" axis. The probe holder mount allows for quick course "Z" adjustment for rapid test setup
- ◆ Smooth movement with zero backlash. Spring loaded ball bearing construction eliminates back lash while assuring the smoothest possible movement.
- ◆ Unsurpassed stability. The large base with either magnetic or optional vacuum base provides stability for sub-micron probing.
- ◆ Linear probe positioning. To simplify probe positioning, all X,Y, and Z motions are linear.
- ◆ Travel distance is 0.5" in X and Y axis, with 0.25" of fine positioning control in the Z axis. The total travel in the Z axis is greater than 1" with the course Z adjustment.
- ◆ Available in right and left handed models. The difference between the two models is the position of the Y axis control knob. The X and Z axis knobs are located on the rear and top of the positioner respectively.
- ◆ Dimensions: (Body only, with magnetic base): 3.5" H x 2.5" W x 3" L
- ◆ Coaxial, Triaxial, and DC (standard) probe holders are available in many standard and custom configurations to accomodate almost any testing application.

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