

# 8800-ISE

## Integrated Shielded Environment

*The 8800-ISE is an integrated, shielded environment for the Micromanipulator 8000/4000 series probing stations. Designed for applications where a full external light tight enclosure or dry box is not practical, yet easier access than that provided by a "mini-chamber" type enclosure is preferred.*



*Closed 8800-ISE provides electrical and light shielding*

The 8800-ISE mounts on the probe station base plate on the 8800 series (8860, 8065, 8060, 4460 and 4060), and includes rear and bottom panels for the probe station and a microscope "boot" to complete the controlled

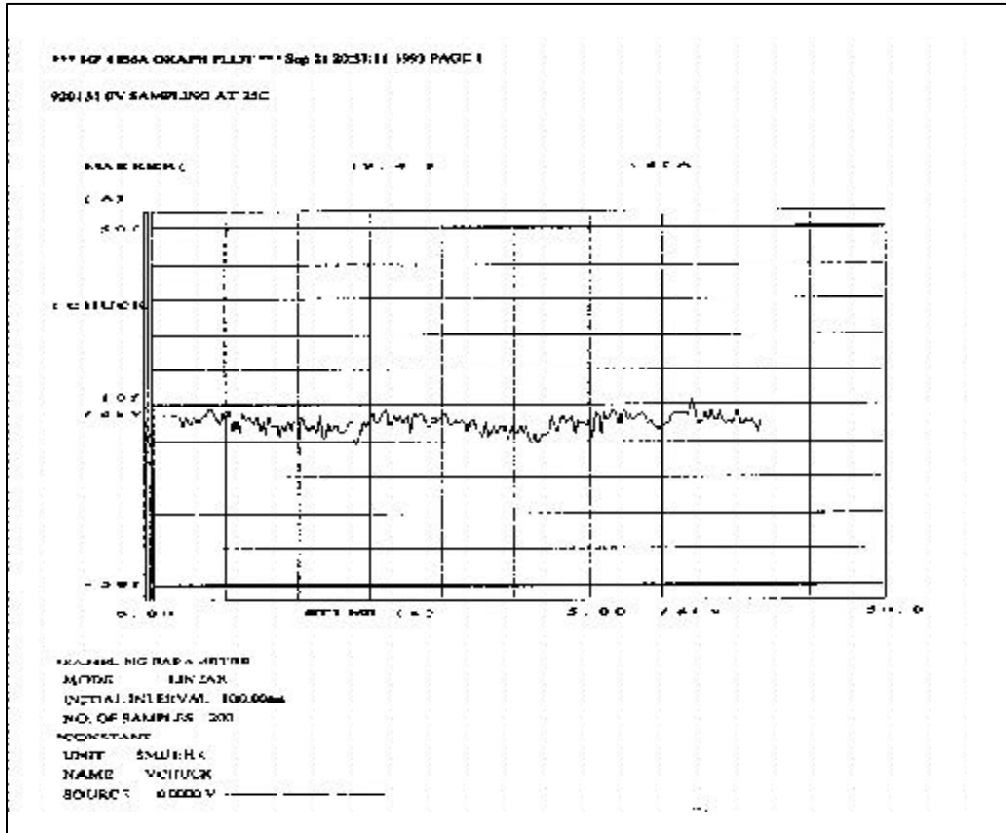
environment. The 8800-ISE environment allows probing to -65 degrees C without frost formation on the sample and to the femtoamp level (with proper dry air input, low current station, chuck and probes).

## Features:

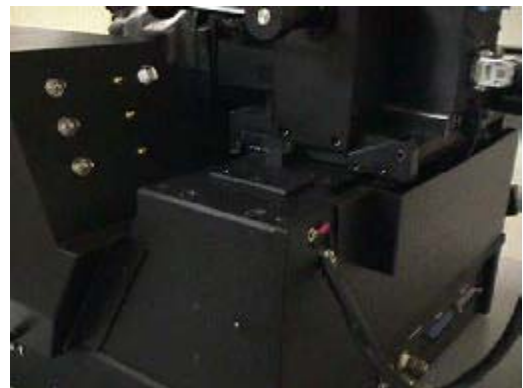
- Easy on and off. Remove the environment for daily probing. It's easy to load when demanding applications arise.
- Easy access to manipulators, chuck, probes, probe cards and microscope turret with swing open doors strategically placed.
- No limits on the number of manipulators used (up to the normal station contingent) and on the angles at which probes are placed around the prober platen.
- Built-in feedthroughs for coaxial and triaxial probe connections and probe card cabling.
- The *flexible* light and electrically shielded "boot" supports up to 2" microscope motion.
- No obstruction to the microscope turret. Change objectives without raising and lowering the microscope.
- Protection from external physical disturbances similar to that of an external LTE. There is no outside access to manipulators as in a "mini-chamber" enclosure.
- Total Environment Control with noise and light shielding for low current testing, and dry air (or Nitrogen) flow direction management to maintain sample dryness.
- Backward Compatibility: The 8800-ISE may be adapted to existing 8800 series probe stations in the field.

# 8800-ISE Performance

Sampling sweep in 8800-ISE Triaxial chuck 10fA per division.



*Open 8800-ISE*



*Feedthrough connections at rear of 8800-ISE*