

MODEL 82 TRIAXIAL PROBE HOLDER

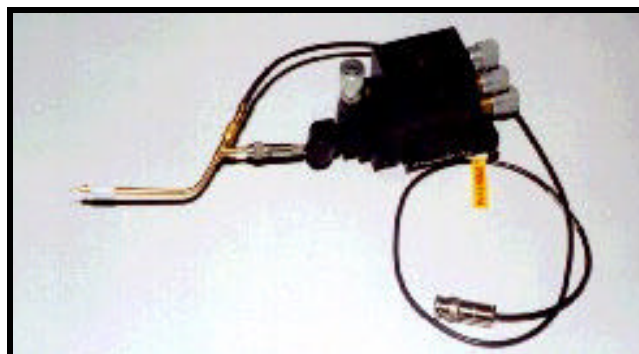
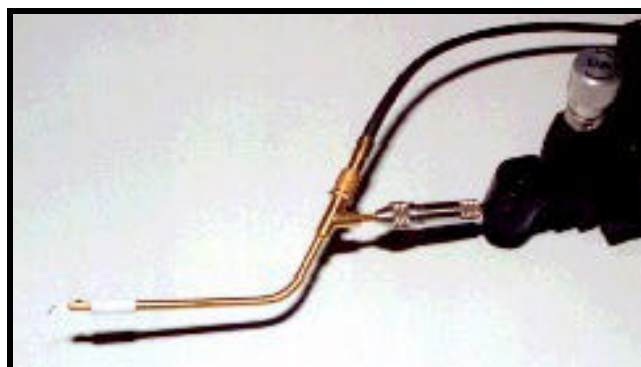
THE MODEL 82 PROBE HOLDER

is the latest state of the art probe holder developed by Micromanipulator's advanced probe design group.

Featuring an integrated, proprietary triaxial connector and balanced body for superior vibration attenuation, the model 82 provides not only extremely low leakage and low noise performance, but actually helps stabilize the probe and remove residual vibration.

MODEL 82 PROBES FEATURE:

- Full triaxial cabling to a disposable probe tip or to within 0.25" of an integrated tip.
- Integrated triaxial connector which provides a straight and smooth connection path to the probe cable minimizing the potential for wear induced leakage paths and balancing the body for stability and vibration attenuation.
- A high temperature, high isolation ceramic insulator at the tip to provide low leakage, high isolation performance at temperatures up to 400 degrees C.
- Parallel probe tip exit from the probe body, which reduces the intrusion of the probe holder shaft under the microscope objective.
- A high performance dielectric in the probe and cable which
 - Eliminates cracking and crazing with repeated use manipulation.
 - Will not absorb moisture over time.
 - Minimizes triboelectric effects.
 - Can withstand the high temperatures of thermal chuck probing environments.



MODEL 82 SPECIFICATIONS:

- Isolation inner conductor to inner shield or between inner and outer shield >5 teraohms (measured at 500VDC).
- Cable impedance: 50 ohms.
- Cable capacitance: 29pF per foot inner and 100pF per foot outer.

CONFIGURATIONS AVAILABLE

82-8000-HT0-I: Single wire integrated single tip

82-8000-HT0-03: Single wire disposable single tip

82-8000-HTD0-03: Dual wire (Kelvin) with single disposable tip

82-8000-HTK0-03: Dual wire with dual disposable tips (full Kelvin)

82-8000-HTK0-I: Dual wire with dual integrated tip (full Kelvin)

ADDITIONAL ACCESSORIES:

- Cables: Model 82-TCAB-14 (14") or 82-TCAB-30 (30") cables terminate in 3-lug triaxial male connector.
- Accommodates all straight or pre-bent 7-series disposable probe tips.



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