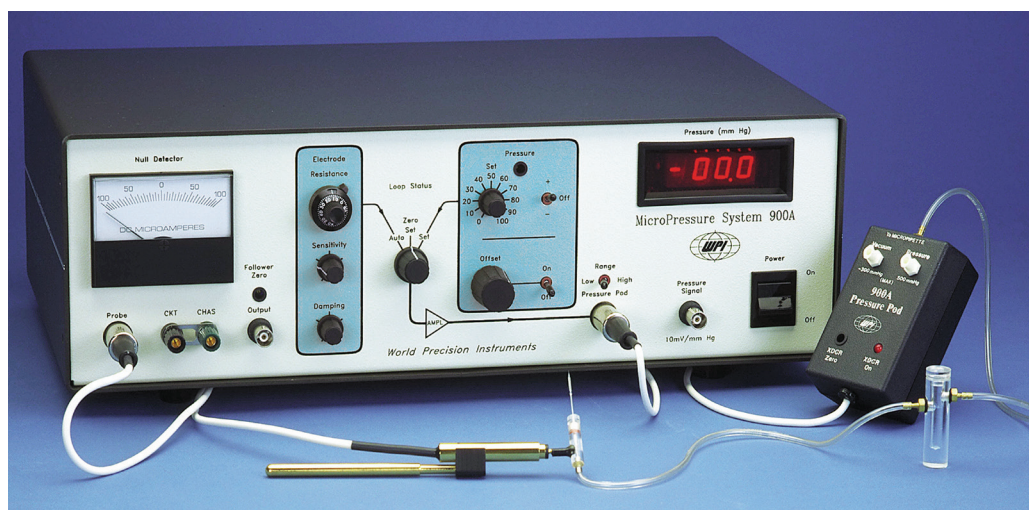




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900A Micropressure System

Measure hydrostatic pressure in small vessels and oocytes



range of 2 to 5 microns. Pressures of electrolyte solutions are measured by maintaining a salt concentration gradient at the tip of the sensing electrode in dynamic equilibrium by applying an equal air pressure inside the microelectrode. The pressure reading appears on the front panel display and via the BNC recorder output. Because the piezoelectric pressure controller uses external pressure and

vacuum sources, pressures lower than -200 to greater than +400 mm Hg can be quickly and accurately measured at the microelectrode tip.

- Measure piezoelectric pressures from -200-400mmHg
- Built-in alarm for maximum pressure
- 0.5ms response time
- Minimal dead space when using small-bore tubing
- Highly accurate
- BNC Output

Model 900A is designed to measure hydrostatic pressure in small vessels and cells. Pressure ranges of -200 to +400mmHg can be measured with stability and accuracy. The system's sensing element is an electrolyte-filled glass microelectrode with a tip diameter

SPECIFICATIONS

Pressure Range	+500 to -300mmHg
Linearity	<±0.5% from a straight line
Stability	±0.1mmHg up to 1+ hours
Accuracy	±0.5% of full scale
Rise Time	>10ms (10-90%) depending on residual volume
Output	10mV/mmHg (Pressure Signal)
Amplifier Probe	
Input Resistance	>10 ¹⁰ Ω
Voltage Gain	1.0
Power	110V AC, 220V AC
Dimensions	17x5.25x10" (43x13x25cm)
Pod Dimensions	3.7x1x2.25" (9.4x2.5x5.7cm)

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