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Find the *Molecular Devices / Axon Instruments GeneClamp-500B* at our website: *Click HERE*

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GeneClamp® 500B

Voltage-clamp, Patch-clamp and Voltammeter amplifier



Download the GeneClamp 500 brochure [PDF]

The **recently enhanced** (see box below) GeneClamp® 500B is a high-compliance voltage-clamp and current-clamp system, ideal for medium and large-size cells (*e.g.*, oocytes). Two headstages can be used for intracellular recording and voltage clamping. A third, optional headstage (CV-5) can be used for patch clamping or voltammetry. Many features simplify usage, such as a 4-pole Bessel filter, offset removal, tuning signals, resistance measurement and panel meters. Many functions are automated. Requires a serial port on the computer. A PC serial cable is included (Macintosh cable available on request).

Includes: HS-2A-x1LU and HS-2A-x10MGU micropipette headstages; VG-2A-x100 bath-clamp headstage; MCO-1U model cell; two HL-U holders; RS232-01 cable; assorted minor accessories and a manual. Other U-type HS-2A series headstages may be substituted on request. A CV-5 patch-clamp headstage is NOT included.

Get the GeneClamp 500B user manual from the Downloads page.

Enhanced Two-Electrode Voltage Clamp

Oocyte recordings can yield very large currents as the membrane resistance drops to very low levels. Under these extreme conditions, maximal clamp gain (μ) is imperative for a stable voltage clamp. All new GeneClamps are manufactured with enhanced clamp gain. Read this Application Note for more detail. If you own a GeneClamp 500B amplifier manufactured prior to November 2002, and would like to enhance the performance to avoid DC voltage errors under such extreme conditions, contact tech support.

Ordering Information

For ordering information go to the Sales Information page.

Declaration of Conformity [PDF]

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