

microinjection

NEW Model PLI-10

Low Cost Pico Injector



- Femtoliter to microliter injections
- Digital readouts for injection pressure, time, and count
- Reliable optically encoded circuit for injection time set
- Easy to use

The PLI-10 Pico-Injector reliably delivers ejections from femtoliters to nanoliters through micropipettes by applying a regulated pressure for a digitally set period of time.

Pressure to the pipette is controlled precisely through a multi-turn regulator, and is reported digitally for reproducibility. Injection time is set using an optically encoded circuit which permits fine and coarse settings from a single knob.

The system timer can be controlled in three ways, front panel push button, foot switch, and external trigger input BNC.

Typical applications are large volume injections, (large volume is considered to be in the 10-100 Pico liter range), extracellular sample delivery, and

Xenopus Oocyte injection because of their large size (1.0 mm).

Specifications

Input Gas Pressure	75 PSI Recommended, 105 PSI Maximum
Injection Pressure	0.2 to 60 PSI (413 KPa) regulated
Injection Time	0.01 to 99.99 Seconds
Injection Time Accuracy	±0.01% (Crystal Time Base)
Pressure Display	3½ Digits, 0.1 PSI or 1 KPa Resolution
Injection Count Display	0 to 9999 Injections
Trigger Mode	Front Panel, Footswitch, TTL (Gate In)
Pressure Monitor Output	BNC, Rear Panel, 10 mV/PSI or 1 mV/KPa
Power Input	External 9VDC @ 400mA (min) Power Supply universal input voltage 90 to 264 VAC
Weight	2.3 kg
Dimensions (HxWxD)	89 x 215 x 175 mm (3.5 x 8.5 x 6.9 in)
Warranty	One year, parts & labor

Order #	Model	Product
W4 64-1707	PLI-10	Pico-liter includes input hose, output hose, and foot switch
W4 64-1626	A0161.0	Acrylic pipette holder for 1.0 mm pipettes
W4 64-1627	A0161.2	Acrylic pipette holder for 1.2 mm pipettes
W4 64-1628	LPLI-PPH	Acrylic pipette holder for 1.5 mm pipettes
W4 64-1629	A0162.0	Acrylic pipette holder for 2.0 mm pipettes