

**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)

**PLI-10 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 (H x W x D)
Warranty	One year, parts & labor

**Ordering Information**

Cat. No.	Model	Product
<b>64-1707</b>	PLI-10	Pico-liter includes input hose, output hose, and foot switch
<b>64-1626</b>	AO161.0	Acrylic pipette holder for 1.0 mm pipettes
<b>64-1627</b>	AO161.2	Acrylic pipette holder for 1.2 mm pipettes
<b>64-1628</b>	LPLI-PPH	Acrylic pipette holder for 1.5 mm pipettes
<b>64-1629</b>	AO162.0	Acrylic pipette holder for 2.0 mm pipettes