



IM-11-2

Pneumatic Microinjector

Smooth and comfortable pneumatic control for both injecting and holding sides

The IM-11-2 is a pneumatically operated microinjector that allows suction and injection of a microsample with high precision and operability comparable to oil hydraulic injectors. Equipped with a coarse-fine coaxial control knob, the microinjector enables both coarse and fine movement operation. As compared to the existing pneumatic injectors such as the IM-9C, the IM-11-2 has substantially improved on the amount of pressure change per knob rotation, thereby enabling finer and more powerful control.





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The IM-11-2 is free from worry about entry of air bubbles into a micropipette when fitting it.

The easy-to-insert fitting mechanism is incorporated in the tubing connection linking the microinjector with the injection holder, thereby making regular care/maintenance so much easier including removal of fragments of broken pipettes.

The IM-11-2 is outfitted with a one-touch pressure relief valve that allows pressure to escape. With the microinjector in the pressure-free condition, shifting the position of the control knob enables volume changes of the syringe inside the microinjector, thereby changing operational responsiveness; a unique feature of the pneumatic microinjector.

Key Features

	<p>1) Easy-to-insert/remove tubing connection The fitting mechanism permits one-touch simple insertion and removal of the tubing, thereby making regular care so much easier such as removal of fragments of broken pipettes. Incorporates a mechanism that prevents a kink in the tubing from being transmitted to the injection holder, thereby enabling delicate adjustment of the rotation direction of the needle tip.</p> <p>2) Pressure release with push-button ease Outfitted with a one-touch pressure relief valve that allows pressure to escape. Making it easy to adjust interfacial surface in the pipette or the volume of the syringe.</p> <p>3) Responsiveness adjustable to your preference Pressure changeability in the pipette tip can be adjusted by changing the volume of the syringe, thereby adjusting operational responsiveness according to your preference.</p> <p>4) Wide range of movement/pressure characteristics Through the adoption of a long syringe and a coarse-fine coaxial control knob, the amount of pressure change per knob rotation has increased by approx. 25 times, which helps achieve a wide range of pressure changeability.</p>
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Specification

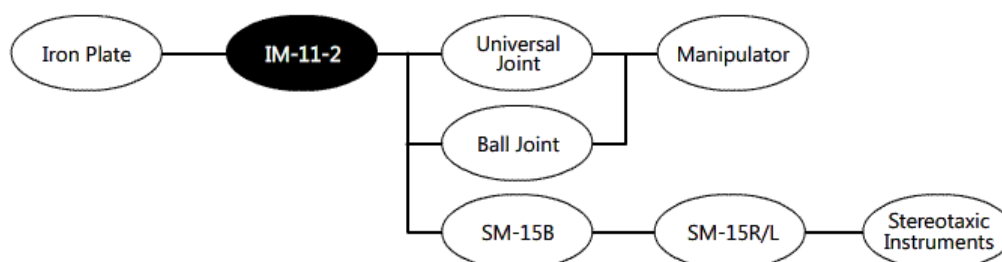
Accessories included	Injection Holder (<u>HI-9</u>) Cleaning Rod Tubing (CT-1-1.5, <u>CT-4</u>) O-ring (IMO10) Silicone Grease Silicone Rubber Gasket (HI01PK01) Hex Wrench
Movement range	Plunger 40mm
Dimensions/Weight	W167 ~ 214 × D55 × H78mm, 680g
Tube length	1.2m

Consumables

HI01PK01	Silicone Rubber Gasket	For 2.5mm (10pcs)
HI-9	Injection Holder	for Pneumatic Injector
CT-1-1.5	Tubing for ø2mm	ø2mm × 1.5m
CT-4	Tubing for ø2mm	ø2mm × 1.2m
IMO10	O-ring	3pcs

* The fitting as a single part is NOT sold separately. Please contact us for details.

System Diagram



● refers to the model itself with standard attachments

○ refers to attachable main accessories

○ refers to types of mounting adaptors

Specifications are subject to change without notice.

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