



New & Improved Motorized Stereotaxic Microinjector

IMS-20

new

****Designed specifically for Stereotaxic Injection****

- Easy and simple setup of volume and time.
- Comes Preset with 11 syringe references.
- Clear view of digital display for easy monitoring.
- Exchanging syringe can be done with one hand.



Controlling "start" and "stop" with

IMS-20F

Foot Switch






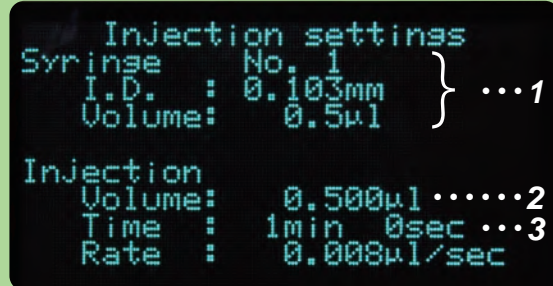
Note: Syringes, Stereotaxic Instrument, manipulator, and attachment sold separately.
Syringes are not available from Narishige.

Preset for 11 different Hamilton syringes

Once the suitable syringe number is selected, its I.D. and volume will be displayed and the flow rate will be calculated automatically. Simply enter the target volume and the length of time to complete the injection setup. Other syringes can be used by manually entering the values of I.D. and volume.

Injection Settings

- 1  **Syringe Setup**
Select suitable syringe from reference table.
When "User" mode is selected, enter appropriate I.D. and volume (Ranging from 0.1 to 2.5 mm I.D. and 0.5 to 250 µl)
- 2  **Volume Setting for Automatic Injection**
(Ranging from 0 to full capacity of syringe)
- 3  **Time Setting for Automatic Injection**
(Ranging from 0 to 60 min)



Syringe reference table

No.	Inner Diameter(I.D.)	Volume	Hamilton's syringe code
1	0.103 mm	0.5 µl	7000.5
2	0.146 mm	1 µl	7001, 7101
3	0.206 mm	2 µl	7002, 7102
4	0.330 mm	5 µl	7105
5	0.343 mm	5 µl	75
6	0.461 mm	10 µl	1701
7	0.485 mm	10 µl	701
8	0.729 mm	25 µl	702, 1702
9	1.030 mm	50 µl	705, 1705
10	1.458 mm	100 µl	710, 1710
11	2.304 mm	250 µl	725, 1725
User*			

*"User" mode for all other syringes

Quick & easy syringe exchange - Firm & secure syringe placement



The latch is used to secure the syringe (not the screw) for easy exchange of the syringe. It can be done with **just one hand!**

**Pull the lever ①, rotate downward ②
and loosen the plunger's knob to release the syringe.**

*Syringes of 6.5 mm - less than 9 mm O.D. can be attached.

Specification

Model + Description		IMS-20 Motorized Stereotaxic Micromanipulator
Drive Unit	Dimensions	W30×D167×H84 mm
	Weight	426 g
	Working range	60 mm
	Drive source	5-phase stepping motor
Control Unit	Dimensions	W180×D95×H260 mm
	Weight	2.45 kg
Accessories	Connecting cable (2 m)	
	Power Cord (1.5 m)	

IMS-20 employs **Ø8 mm bar**.

To install this model onto SM-15R/L, the attachment SM-15A is required.



SM-15A Attachment