

RWD

LEGATO[®] 130 SYRINGE PUMP

SINGLE SYRINGE, PROGRAMMABLE TOUCH SCREEN,
NANOLITER, INFUSION/WITHDRAWAL PUMP



Order Code:
788130

The Legato[®] 130 works exclusively with micro syringes from 0.5 μ l to 1000 μ l. It has a remote pump head which can be placed close to the experiment to eliminate dead volume with long tubing. The remote pump head makes it ideal for use with a micromanipulator, stereotaxic and other clamping devices.

The syringe plunger can be tightly secured with a movable mounting screw, eliminating any movement of the syringe. The new fixed cable with the remote head to the controller ensures the pump head and the controller are secure.

Specification:

Accuracy	±0.5%
Syringes (Min/Max)	0.5 µl to 1000 µl
Flow Rate	Minimum (0.5 µl syringe): 3.66 pl/min Maximum (1000 µl syringe): 3.818 ml/min
Display	4.3 WQVGA TFT Color Display with Touchpad
Non-Volatile Memory	Stores all Settings
Connectors	RS485 - IEEE-1394 6 pos USB - Type B I/O & TTL - 15 pin D-Sub Connector Footswitch - mini phono jack
Linear Force (Max)	5 kg (11 lb) @ 100% Force Selection
Drive Motor	1.8° Stepper Motor
Motor Drive Control	Microprocessor with 1/16 microstepping
Number of Microsteps per one rev.of Lead Screw	3,200
Step Rate - Minimum	27.5 sec/µstep
Step Rate - Maximum	52 usec/µstep
Pusher Travel Rate - Minimum	0.433 µm/min
Pusher Travel Rate - Maximum	228.97 mm/min
Input Power	12-30 VDC
Input Power Connection	2.5 mm ID x 5.5 mm OD male plug
Power	100-240 VAC: 50/60 Hz, 50 W, 0.5 A fuse
Dimensions	22.6 x 17.78 x 9.32 cm (9 x 7 x 3.67 in)
Weight	1.96 kg (4.32 lb)
Operating Temperature	4 degree C to 40 degree C (40 degree F to 104 degree F)
Storage Temperature	-10 degree C to 70 degree C (14 degree F to 158 degree F)
Humidity	20% to 80% RH non condensing
Mode of Operation	Continuous
Classification	Class 1
Pollution Degree	1
Installation Category	11
Regulatory Certification	CE, EU RoHS



RWD Life Science

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