

IPS 13 R

infusion/withdrawal
mode

SYRINGES

CAPACITY	2 Interdependent
TYPE	Glass, plastic, steel
MIN SIZE	Hamilton 0.5 µl (ID:0.103mm)
MAX SIZE	Monoject 140 ml (ID:38mm)

FLOW RATE

MIN	17,89 pl/min (Hamilton 0.5 µl)
MAX	121,51 ml/min (140 ml Monoject Syringe)
MOTOR TYPE	Stepper Motor
MOTOR DRIVE CONTROLLER	Microcontroller with Microstep Drive
STEP RESOLUTION (TRAVEL/MICROSTEP)	357 nm/µstep

STEP RATE

MIN	10 sec/µstep
MAX	200 µsec/µstep

LINEAR SPEED RATE
(PUSHER TRAVEL RATE)

MIN	2,14 µm/min
MAX	107,14 µm/min
LINEAR FORCE	20 kg (each syringe: 15 kg)
CONNECTORS	Wi-fi(optional)
RECIPE SAVE-RECALL	No
POWER SUPPLY	12 VDC 1A (110-240 VAC adapter included)
DIMENSIONS	W:211 L:250 H:143 mm
WEIGHT	3.2 kg

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE	Between -10 and 50 (°C)
STORAGE TEMPERATURE	Between -30 and 85 (°C)
OPERATING HUMIDITY	RH 10% - RH 90% (not condensed)
STORAGE HUMIDITY	RH 10% - RH 90% (not condensed)

- Double Channel
- 4.3” Resistive Touch TFT LCD screen
- Microcontroller software
- User-friendly interface
- High precise pumping
- Adjustable flow rate even during process

